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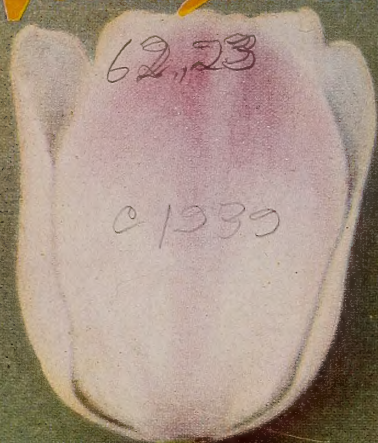


# Vaughan's SPRING FLOWERING BULBS

VAUGHAN'S SEED STORE  
CHICAGO NEW YORK  
601 W 47  
JACKSON BLVD BARCLAY ST

LIBRARY  
RECEIVED

U. S. Department of Agriculture



MERMAID  
(Darwin)



BARBARA  
PRATT  
(Cottage)



CHERBOURG  
(Breeder)



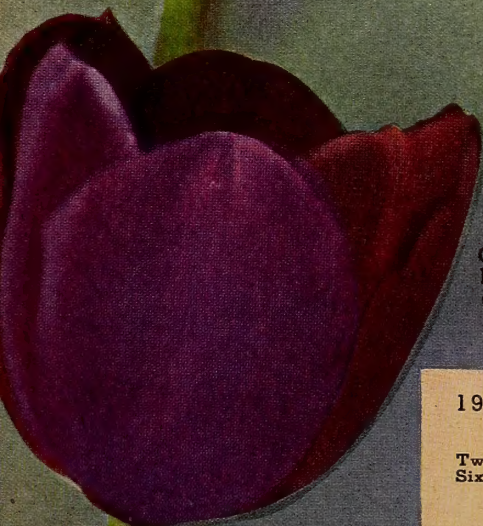
MARGAUX  
(Darwin)



GLACIER  
(Darwin)



GOLDEN  
HARVEST  
(Cottage)



BLUE EAGLE  
(Darwin)



TILLY LUSS  
(Darwin)

## 1939—FRONT COVER COLLECTION

One No. 1 Bulb. of Each Variety Illustrated on this Page (8 bulbs), prepaid for \$1.20  
Two each (16 bulbs)... \$2.25 Three each (24 bulbs)... \$3.00  
Six each (48 bulbs)... 5.25 Twelve each (96 bulbs)... 9.50

### Prices of Separate Varieties

	Doz.	100		Doz.	100
Mermaid...	\$0.85	\$6.50	Golden Harvest	\$1.75	\$12.00
Cherbourg...	1.20	8.50	Barbara Pratt...	1.35	9.50
Blue Eagle...	.75	5.50	Glacier.....	3.50	25.00
Margaux ....	1.35	9.50	Tilly Luss.....	1.00	7.50

Plate from Natural Color Photograph.



**COVER COLLECTION B**

One plant each of the varieties illustrated on this page (4 plants value \$3.25) prepaid 600 miles for **\$2**

**Prices of Separate Varieties**

Avalanche, (white) top right, 50c.

Longfellow, (red) top left, \$1.00.

Martha Bullock (dark pink) lower right, \$1.00.

Reine Hortense (light pink) lower left, 75c.





# 10 Giant Tulip 70c

## Leaders, Prepaid,

One No. 1 Bulb of each of the Varieties  
Illustrated on this Page (10 bulbs).

Two each (20 bulbs) \$1.25.  
Three each (30 bulbs) \$1.70.  
Six each (60 bulbs) \$3.15.  
Twelve each (120 bulbs) \$5.75.

Varieties illustrated on this page are outstanding among the tall, giant flowered tulips. All flower in May except Gen. DeWet, which is a late early, preceding the Darwins and often overlapping with their season. Gen. DeWet is one of the finest of all tulips, with huge flowers of vivid coloring, and rich fragrance. Prices on this page are for first size bulbs.

MOONLIGHT  
(Cottage)

Doz., 75c; 100, \$5.50

DON PEDRO  
(Breder)

Doz., 70c;  
100, \$5.00

GEN. DeWET  
(Single Late)

Doz. 80c; 100 \$6.00

GIANT  
(Darwin)

Doz., 85c; 100, \$6.50

CITY OF HAARLEM  
(Darwin)

Doz. 85c; 100, \$6.50

VENUS  
(Darwin)

Doz., 75c; 100, \$5.50

(C)

KANSAS  
(Triumph)

Doz., 75c;  
100, \$5.50

PRINCESS  
ELIZABETH  
(Darwin)

Doz., 70c;  
100, \$4.75

DILLENBURG  
(Breder)

Doz., 70c;  
100, \$5.00

LOUIS XIV  
(Breder)

Doz., 75c; 100, \$5.50



# Vaughan's FAMOUS RAINBOW GARDEN OF GIANT TULIPS

REVEREND EWBANK  
(Darwin)

BARTIGON  
(Darwin)

FARNCOMBE  
SANDERS  
(Darwin)

Sixty flowering  
size bulbs, six  
each of the ten  
varieties illus-  
trated on this  
page, prepaid  
600 miles, \$2  
for . . . \$2

INGLESCOMBE  
YELLOW  
(Cottage)

CLARA BUTT  
(Darwin)

PHILIPPE  
DE  
COMMINES  
(Darwin)

PRIDE OF HAARLEM  
(Darwin)

GRENADIER  
(Cottage)

This collection is planned to  
produce a brilliant yet balanced  
color display in your garden next  
spring. To facilitate planting for  
color effect bulbs of each variety  
are separately bagged and  
labeled.

Plates from Natural Color  
Photograph, (unretouched)

ORANGE  
KING  
(Cottage)

(Darwin)  
MADAME KRELAGE



# 60 BULBS

Prepaid  
600 Miles

## Vaughan's FAMOUS *Rainbow* Garden of GIANT TULIPS



One of Our Experimental  
Tulip Plantings in Oregon.

**60 Flowering  
Size Bulbs, 6 Each  
of These Ten Varieties  
Separately Bagged and Labeled**  
Illustrated on Opposite Page (Prepaid 600 Miles)

# FOR \$2

An amazing bargain, but these are NOT "bargain bulbs!"

They are imported by us from Holland, where they were grown by the most expert growers in the world.

They were grown especially for this offer, which we are determined shall hold its place as the "biggest bulb value" in America.

Every variety is world famous, a leader in its color. All were grown in the display of tulips this spring at the New York world's fair, and are used in the beds and borders of the world's finest estate and park plantings.

You must have seen our Rainbow tulips in the garden of a neighbor, blossoming in May, when garden color is so scarce, yet so precious; painting the border in that lovely month with a brilliance which not even the June display could equal.

If your garden has lacked this early beauty (as two out of three do) a long first step toward remedying the lack can be taken at minimum expense, by planting one or more Rainbow Tulip Collections this fall.

These bulbs are of flowering size, and will produce giant blossoms, on tall, strong stems.

**SIX EACH OF THESE 10 VARIETIES**  
**INGLESCOMBE YELLOW**, 18 in., Cottage. A rich yellow flower which, though of the Cottage clan, has the cup-shape and is often called "the yellow Darwin."

**MME. KRELAGE**, 27 in., Darwin. A deep soft pink flower with paler edging, very large blossom, one of the earliest and loveliest Darwins.

**FARNCOMBE SANDERS**, 25 in., Darwin. A large flower of fiery scarlet, one of the most vivid tulips; white center marked with blue; perfectly cup-shaped.

**GRENADIER**, 20 in., Cottage. Magnificent light orange. When the sun shines on a fully developed flower of this variety the effect is dazzling.

**PHILIPPE DE COMMINES**, 26 in., Darwin. One of the finest violets, whose tall, dark beauty is most striking in company with pink or yellow companions.

**REV. H. EWBANK**, 20 in., Darwin. A deep lilac, which combines effectively with orange and yellow flowers, completing the color balance of a planting or bouquet.

**PRIDE OF HAARLEM**, 28 in., Darwin. An enormous flower of rosy red, long one of the most popular Darwins and as yet unsurpassed in its class.

**CLARA BUTT**, 20 in., Darwin. Considered by many the finest pink Darwin because of its soft, true-pink coloring, free from lavender; a rare color and a charming flower.

**BARTIGON**, 22 in., Darwin. A large flower of fiery crimson, which stands out in the tulip border. Its blossom is perfectly cup-shaped and its color while vivid is pleasing.

**ORANGE KING**, 23 in., Cottage. A fragrant flower of good size, and deep orange self-color, inside and out. It makes a strong color-accent.



# Vaughan's Chicago Parks Lawn Seed

1 Lb. 45c

1 1/2 Lbs., \$0.25  
2 Lbs., .90  
3 Lbs., 1.35  
5 Lbs., 2.20  
10 Lbs., 4.00  
15 Lbs., 5.90  
20 Lbs., 7.75  
25 Lbs., 9.50  
100 Lbs., 35.00  
Prepaid in U. S. A.



**A**UTUMN is the most favorable time to sow lawn seed, the earlier the better. In the short days and cool nights the seedling plants make vigorous growth. Give them all the time possible to become established before freezing weather arrives.

It is more than ever important now to sow only permanent grasses, free from short-lived, coarse growing types. For a lawn of permanence and beauty, our famous Chicago Parks mixture is recommended, containing only fancy, re-cleaned seed of fine leaved, hardy, lasting grasses of high purity and germination. It contains no timothy, or other coarse adulterants. Remember, cheap mixtures invariably disappoint and increase rather than reduce expense.

We offer this mixture without Clover under the name "Fairway Mixture" at the same prices as Chicago Parks.

## Vaughan's "Private Estate" Bent Formula FOR LAWNS "DE LUXE"

For those who are interested in bent grass we highly recommend our Private Estate formula.

In addition to Kentucky Blue Grass of the highest quality, to insure a foundation for your lawn, Private Estate formula includes an important proportion of bent, and produces a fine, heavy turf.

Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$8.15; 20 lbs., \$10.75; 25 lbs., \$13.25; 100 lbs., \$50.00.

## Vaughan's "Columbian"

When making a lawn on sandy soil or in light shade, conditions are met with which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1/2 lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.60; 10 lbs., \$5.00; 15 lbs., \$7.40; 20 lbs., \$9.75; 25 lbs., \$12.00; 100 lbs., \$45.00.

## Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. A splendid mixture. It is also satisfactory in light shade.

Price, 1/2 lb., 40c; 1 lb., 70c; 2 lbs., \$1.40; 3 lbs., \$2.05; 5 lbs., \$3.35; 10 lbs., \$6.50; 15 lbs., \$9.65; 20 lbs., \$12.75; 25 lbs., \$15.75; 100 lbs., \$60.00.

## Vaughan's No. 25 Lawn Formula

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine.

Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.25; 10 lbs., \$2.40; 15 lbs., \$3.50; 20 lbs., \$4.60; 25 lbs., \$5.50; 100 lbs., \$20.00.

## Fancy Kentucky Blue Grass (Poa Pratensis)

**EXTRA HEAVY SUN-CURED SEED**—Specially re-cleaned. Price, 1/2 lb., 25c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.35; 5 lbs., \$2.20; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.75; 25 lbs., \$9.50; 50 lbs., \$17.00.

**Fancy Seed**—(Standard grade of re-cleaned blue grass.) Price, 1/2 lb., 20c; 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.40; 20 lbs., \$5.80; 25 lbs., \$7.15; 50 lbs., \$14.00.

## Chewings Fescue (New Zealand Grown)

Seed, 5 lbs. to 1,000 sq. ft.—1 lb., 90c; 2 lbs., \$1.80; 3 lbs., \$2.65; 5 lbs., \$4.35; 10 lbs., \$8.50; 15 lbs., \$12.65; 20 lbs., \$16.75; 25 lbs., \$20.75; 50 lbs., \$41.00.

## Rough Stalked Meadow Grass (Poa Trivialis)

Seed, 1 lb. to every 300 sq. ft.—1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.10; 10 lbs., \$6.00; 15 lbs., \$8.70; 20 lbs., \$11.25; 25 lbs., \$13.75; 50 lbs., \$25.00.

## Red Top Grass (Argrostis Alba)

Extra Fancy re-cleaned solid seed—Price, 1/2 lb., 20c; 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 20 lbs., \$4.75; 25 lbs., \$5.75; 50 lbs., \$10.00.

## White Clover For Lawns

Extra fancy seed. Price, 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 70c; 2 lbs., \$1.40; 3 lbs., \$2.05; 5 lbs., \$3.35; 10 lbs., \$6.50; 15 lbs., \$9.65; 20 lbs., \$12.75; 25 lbs., \$15.75.

## Seed of the Bent Grasses

For lawns the Bent grass seed is preferred to the creeping Bent stolons because these types of Bent do not grow so rapidly and do not require so much cutting and top dressing. Seed at the rate of 3 to 4 lbs. per 1000 square feet.

**ASTORIA BENT GRASS.** This grass has creeping roots and makes a splendid lawn and golf grass. Requires less care than the aggressive surface creepers. Price, 1/4 lb., 40c; 1/2 lb., 75c; 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$3.95; 5 lbs., \$6.50; 10 lbs., \$12.75; 15 lbs., \$18.90; 25 lbs., \$30.00.

**EUROPEAN MIXED BENT** is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft. Ask for prices.

**COLONIAL BENT GRASS** makes a fine close turf of excellent color. Spreads from the roots. Seed 3 lbs. per 1000 sq. ft. Ask for prices.

**SEASIDE CREEPING BENT GRASS.** This is a true unmixed creeping Bent grass seed. One or two top dressings a year will keep it in good condition.

Price, 1/4 lb., 40c; 1/2 lb., 75c; 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$3.95; 5 lbs., \$6.50; 10 lbs., \$12.75; 15 lbs., \$18.90; 25 lbs., \$30.00.

## Creeping Bent Stolons

They produce a fine turf in one season, but must have extra care. For \$16.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for \$9.25; 250 sq. ft. for \$5.25. Express charges collect. If larger quantities are desired, ask for a special quotation. A leaflet about Creeping Bent Stolons will be sent upon request. Fall planting from the latter part of August to the latter part of September.

**All Grass Seed is Prepaid to Any Part of the U. S. A.**

There is an Extra Charge by Post Office for Collection on C. O. D. Packages

Better Lawns with Seed from Vaughan's







## QUANTITY

NAME OR CATALOG NUMBER OF ARTICLE  
Where Catalog gives a Number, please order by it.

## PRICE

Dols. Cts.

Brought Forward

FROM \_\_\_\_\_

P. O. \_\_\_\_\_ STATE \_\_\_\_\_

## Vaughan's Seed Store

601 W. Jackson Blvd.,

CHICAGO, ILL.

FROM \_\_\_\_\_

P. O. \_\_\_\_\_ STATE \_\_\_\_\_

ONE  
CENT  
STAMP  
HERE

## Vaughan's Seed Store

601 West Jackson Blvd.,

Chicago, Ill.

DOMESTIC PARCEL POST RATES		First pound or fraction	Each additional pound or fraction	Total Weight,	Amount for Postage	\$		
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.								
Local—Chicago or New York City	7c.		1c. (2 lbs.)	A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.				
First and Second Zone within 150 miles of either	8c.		1.c.					
Third Zone within 150 to 300 miles	9c.		2c.					
Fourth Zone within 300 to 600 miles	10c.		3.5c.					
Fifth Zone within 600 to 1000 miles	11c.		5.3c.					
Sixth Zone within 1000 to 1400 miles	12c.		7c.					
Seventh Zone within 1400 to 1800 miles	14c.		9c.					
Eighth Zone all over 1800 miles	15c.		11c.					
Grand Total								

Filled by \_\_\_\_\_ Checked by \_\_\_\_\_ Packed by \_\_\_\_\_

Shipped by \_\_\_\_\_ Style of Package \_\_\_\_\_

Date \_\_\_\_\_ Book \_\_\_\_\_ Weight \_\_\_\_\_

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Price, 1  
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EXTRA

Price, 1/2 l  
10 lbs., \$4  
\$17.00.

Fancy

1/2 lb., 20c  
\$3.00; 15

Cl

Seed, 5  
5 lbs., \$4.  
\$20.75; 50





BED OF VAUGHAN'S CITY OF HAARLEM TULIPS LAST SPRING IN LILACIA PARK, LOMBARD, ILL.

# Tall, Giant Flowering Tulips

**ALL** May-flowering tulips may be planted together harmoniously. Darwin, Cottage and Breeder tulips are merely different clans having distinctive family traits, but each with beauty which blends admirably with its cousins. They are listed separately for convenience of reference.

## Red Darwins

**Bartigon** (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Doz., 65c; 100, \$4.50; 1,000 \$40.00. (Illustrated on Cover D.)

**Burgemeester Sandberg.** (28 in.) (Major Sandberg). Deep mahogany; blue base, starred white. Large flower, extra for bedding. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**★City of Haarlem** (27 in.) Here is a tulip we can recommend without hesitation. It can always be depended upon to make an excellent show, with its immense cups of cardinal red, shading to scarlet at edges of petals. The large, blue base circled with pure white enhances the beauty of this splendid variety. Doz., 85c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Cover C.)

**★Eclipse** (27 in.) Rich, glowing dark red, with a blue base circled by white. A giant tulip of good form on a tall, strong stem, which does not easily snap in stormy weather, making it very good for garden and exhibition purposes. Really a royal tulip, which we highly recommend. Each, 20c; doz., \$1.90; 100, \$12.50.

**★Eleanor Roosevelt** (26 in.) Deep cochineal carmine, white and blue base. Good strong grower. Each, 25c; doz., \$2.25; 100, \$15.00.

**★Farncombe Sanders** (25 in.) Fiery rose scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. Doz., 70c; 100, \$4.75; 1,000, \$42.50. (Illustrated on Cover D.)

**Feu Brilliant** (25 in.) (Brilliant Fire). Glowing red, shading to brilliant scarlet near edges of petals. Large dark blue base with white halo. Really a nice tulip. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

## Darwin

Darwin tulips are characterized by a soft overtone which gives their colors a pastel effect. The flowers are cup-shaped and carried on tall, stiff stems. In color range they include all the rainbow hues, in amazing variety. Yellow, which long was missing from the Darwins, is now represented by several fine varieties; and new varieties include splendid giant whites.

Included in the variety lists on this and the following pages are many newly introduced varieties which show improvement in color, height, size or in some other important respect, over older varieties. But at the same time we retain the best of the old and tried varieties, many of which remain the finest of their type, and may never be surpassed.

**Parcel Post.** If you wish bulbs sent by parcel post, add to our prices, postage at zone rates from Chicago (see order blank), counting twelve bulbs as one pound, fifty as four pounds.

**★Varieties starred thus are in our opinion of outstanding merit for garden planting.**

**250 Bulbs of Any Variety Will be Sold at 1,000 Rate.**

Planning a tulip garden is made easy by the fact that you may count so surely upon the flower blooming as planned. The height, the color, the flowering season, are all so well established, it is a pleasure to plan a color effect and in the spring to see it develop in life, just as imagined the previous fall.

**★Gloria Swanson** (32 in.) An enormous rosy-red, becomes clear red with a faint blue tone on fading white center. We do not believe that a larger and stronger tulip in this color has ever been raised. Very strong stem, flower has great lasting qualities. This is really a giant and an excellent early forcing variety. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00. (Illustrated on Cover E.)

**★Imperator** (30 in.) A giant blood-red flower with dark blue center, which is carried on a tall strong stem with extremely substantial flower-petals. Highly recommended. Each, 40c; doz., \$3.60; 100, \$26.00.

**★Margaux** (30 in.) Tremendous flower, deep wine red, broadly edged with lighter shade of wine red, blue base, and is carried on a strong stiff stem. It certainly is an excellent variety for exhibition purposes. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00. (Illustrated on Front Cover.)

**New-Orleans** (30 in.) Very large, substantial flower, rich pansy merging into dark crimson dull and dark rosy magenta, indigo-blue, anthers black. A most unusual color. Doz., \$2.25; 100, \$15.00; 1,000, \$140.00.

**★President Taft** (27 in.) (Sealing Wax.) Deep crimson-maroon, a superb tulip for bedding and one of the most beautiful varieties for late forcing. The flowers are of good substance, large, and are carried on stiff stems. Highly recommended. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**★Pride of Haarlem** (28 in.) Vivid rose. An old standby that is deserving of a place in the best of gardens. Unsurpassable for fine color, reliable performance and enormous flower. Doz., 65c; 100, \$4.50; 1,000, \$40.00. (Illustrated on Cover D.)

**Prince of Wales** (28 in.) Bright cherry-red with a white base finely striped blue. Enormous flower on a tall, stiff stem. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**★Prof. Rawenhoff** (28 in.) Gorgeous deep rose red. Very attractive even under difficult conditions. Doz., 70c; 100, \$4.75; 1,000, \$42.50.





TALL, LATE TULIPS IN A NORTH SHORE GARDEN, NEAR CHICAGO.

# Darwin Tulips

RED—Continued.

**\*Scarlet Beauty** (28 in.) Beautiful fiery scarlet, one of the best Darwin Tulips for outside planting, possessing a straight, strong stem, and a flower that lasts long. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00. (Illustrated on Cover E.)

**Turner** (29 in.) Geranium-red, large flower, light blue base. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**\*Whistler** (25 in.) Vivid maroon-crimson with a blue base and white halo. This variety has the characteristic of producing more than one stem to a bulb, each stem having two or more flowers. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Wm. Pitt** (24 in.) Velvety crimson flower of beautiful form. Reliable garden variety. Distinct color and a magnificent tulip. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## Pink and Rose Darwins

**\*Afterglow** (26 in.) All the splendor of a glorious sunset seems to be reproduced in this wonderful tulip with its deep orange tints suffused with salmon, and edged apricot orange. Tall, stately grower, and a very popular variety. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Aphrodite** (30 in.) Clear silvery pink, deeper within, large oval-shaped flower on tall, strong stem. A most beautiful tulip. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Baronne De La Tonnaye** (26 in.) Bright rose, margined bluish-rose; long, large flower, beautifully shaped. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**\*Camellia** (28 in.) Lovely satiny-rose pink, white base. Has great lasting qualities. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

**\*Clara Butt** (20 in.) Newer and superior tulips may be found, but Clara Butt remains a favorite. It is a true pink, wholly free from lavender, a rare color and a charming flower. Doz., 65c; 100, \$4.50; 1,000, \$40.00. (Illustrated on Cover D.)

**Dresden China** (24 in.) Soft rosy-pink with light rose edge on the outside and early. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

**Eunice** (29 in.) Brilliant rose pink with a bluish white center. Large well formed flower which is carried on a strong stem. Doz., \$1.40; 100, \$10.00; 1,000, \$95.00.

**King George V** (28 in.) An immense flower of brilliant rose with a light blue base. The color is dazzling in its brilliance, and this is without doubt one of the finest and most beautifully formed Darwins, quite worthy to bear a royal name. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**\*La Fiancee** (30 in.) Deep rose, shading to old-rose and delicate pink at the edges, with blue base. A splendid variety of large size and very effective when planted with mauve and dark lavender sorts. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

PINK AND ROSE—Continued

**La France** (28 in.) A self colored soft rose-pink tulip of great beauty, white base. Large and strong flower on stiff stem. Highly recommended variety for bedding purposes. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

**\*Mermaid** (30 in.) Delicate flesh-pink with lighter border. Creamy white base, tremendous flower of oval shape, strong and tall stem. Very good for garden planting. Doz., 85c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Front Cover.)

**\*Princess Mary** (28 in.) Bright carmine-rose with margin of rose-pink; inside clear carmine-rose with blue base and white halo. One of the largest flowers in this color. It is one you should have for Exhibition purposes. Each, 25c; doz., \$2.10; 100, \$14.00.

**Mme. Krelage** (27 in.) Very similar to Massachusetts, but the central pink band is a shade lighter and blends into the pale border. Earlier and tones off into lighter shades all over. Doz., 70c; 100, \$5.00; 1,000, \$45.00. (Illustrated on Cover D.)

**\*Princess Elizabeth** (26 in.) (Syn. Julie Vinot.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended. Doz., 70c; 100, \$4.75; 1,000, \$42.50. (Illustrated on Cover C.)

**\*Queen of Hearts** (28 in.) (Formerly Apple Blossom.) A beautiful soft rose sport of the old standby Farncombe Sanders, with steel blue anthers and pure white base. The flower is enormous with a rich texture, the stem is tall and straight, yet graceful, making this tulip a perfect exemplification of the progress being made in perfecting the tulip. Dozen, 85c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Cover E.)

**\*Tennessee** (28 in.) Rosy carmine, yellow base edged blue. Sweet scented. Large flower on strong stiff stem. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**\*Venus** (32 in.) One of the most wonderful tulips of recent introduction. The large flower is of exquisite rose, with a white center slightly edged light blue. The entire flower bares a beautiful silvery sheen. The stem is always long and strong, making it a grand exhibition variety. Doz., 75c; 100, \$5.50; 1,000, \$50.00. (Illustrated on Cover C.)



## Mixture of Darwin Tulips

Vaughan's Special, made up by ourselves from best distinct kinds. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Regular Holland Mixed. Doz., 70c; 100, \$5.00. 1,000, \$45.00.



## Wheaton Collection

100 DARWIN TULIPS \$6.00

Ten each of the following representative varieties of Darwin Tulips (100 first size bulbs) will be sent postpaid for \$6.00.

- 10 Afterglow, salmon orange
- 10 City of Haarlem, cardinal red
- 10 Faust, blue purple
- 10 Inglescombe, yellow
- 10 The Bishop, deep violet
- 10 Princess Elizabeth, rose
- 10 King Geo. V, brilliant rose
- 10 Sir Trevor Lawrence, purple violet
- 10 Tennessee, rosy carmine
- 10 Zwanenburg, white

This collection of 100 bulbs of the wonderfully blended Darwin varieties will provide your garden with a display of which you may well be proud.

## Violet, Black and Purple

**Benjamin Franklin** (27 in.) The softly shading color of this beautiful lavender tulip has an indefinable charm that wins everyone's praise. The flower is strong, the stem long and straight. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**\*Blue Eagle** (29 in.) (Black Eagle.) Extra large cup-shaped flowers of the richest and most intense deep but brilliant purple; anthers are black, base a deep blue. Should be in every garden. Doz., 75c; 100, \$5.50; 1,000, \$50.00. (Illustrated on Front Cover.)

**\*Bleu Aimable** (26 in.) Bright violet-blue shading, inside dark violet-purple, with blue base starred white; a very distinct and handsome tulip of large size and shapely form. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Blue Perfection** (29 in.) Bright violet bordered heliotrope, base white with blue ring, anthers black. Petals pointed and reflexed. Very beautiful flower, of good form and substance and of unique color. Each, 25c; doz., \$2.25; 100, \$15.00.

**Dream** (25 in.) Pale violet changing to lavender, with lighter edge and clear blue base. We recommend this tulip as one of the best lilac colored varieties. Its color is soft, but lasts very well. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Duchess of Hohenberg** (29 in.) Lilac, shaded gray and rosy heliotrope. Large, well-formed flower on stiff stem. An exhibition flower. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Faust** (30 in.) Dark satiny purple with blue base, very large and well formed, good forcer. Doz., 80c; 100, \$6.00; 1,000, \$55.00. (Illustrated on Cover E.)

**\*Giant** (29 in.) Deep purple, shaded dark violet with white base with blue star in center. Large flower, on a tall stiff stem. Doz., 85c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Cover C.)

**Heliotrope** (28 in.) A delightful flower of clear blue shading, inside dark violet-purple, with blue base starred white; a very distinct and handsome tulip of large size and shapely form. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**\*Insurpassable** (27 in.) (Award of Merit.) A mammoth lilac tulip, flower is of great substance and is carried on a tall, strong stem. Highly recommended for exhibition purposes, for the garden or for early February forcing. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

**Jubilee** (28 in.) The most magnificent purple tulip. The flower is beautifully formed, deep rich bluish-violet shaded with purple. A flower of great beauty and long keeping qualities. We highly recommend this variety. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**\*King Mauve** (30 in.) Pale lilac and mauve paling off to silvery mauve at the edges; inside of bloom much deeper. Large flower. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

**La Tulipe Noire** (25 in.) Nearest of all to the black color. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Lady Chamberlain** (28 in.) Lilac-mauve shaded white, clear base. Well formed flower on erect stem. Doz., \$1.80; 100, \$13.00; 1,000, \$120.00.



VIOLET, BLACK AND PURPLE—Continued.

★**Mrs. Mandel** (27 in.) Violet blue, flushed lilac, with large, white base. This variety may be forced very early in January. Excellent keeper, strong stem. Highly recommended. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Mystery** (28 in.) A beautiful dark shiny black with blue base, very large and a strong grower. One of the favorites in our trial gardens. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

★**Mrs. H. I. Pratt** (34 in.) Very large flower, light purple-lilac, with edges of petals yellowish, flushed lilac-mauve, beautiful and unique coloring. Winner of First Prize, Boston, 1938. Doz., \$2.10; 100, \$14.00; 1,000, \$130.00.

★**Mme. Butterfly** (28 in.) A beautiful violet-blue shaded white. Very attractive for beds. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

★**Mavourneen** (28 in.) A delightful pale lilac and mauve with faint darker mauve edgings. The flowers are large and strong, stiff stems. Each, 25c; doz., \$2.50; 100, \$16.75.

★**Mont Rosa** (25 in.) Reddish-purple flushed cochineal carmine. Doz., \$1.80; 100, \$13.00; 1,000, \$120.00.

★**Philippe de Commynes** (26 in.) Velvety. Doz., \$5.00; 1,000, \$45.00. (Illustrated on Cover D.)

★**President Garfield** (28 in.) A real dark blue flower of great beauty. This is far superior to the well-known Darwin Jubilee. Large and strong flower and stiff strong stem. Highly recommended for exhibition purposes. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

★**Rev. H. Ewbank** (20 inches) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat, open flower. Lasts well. Most popular of this shade. Doz., 70c; 100, \$4.75; 1,000, \$42.50. (Illustrated on Cover D.)

★**Scotch Lassie** (29 in.) (Award of Merit). Of purest deep lavender with darker shade inside and with dark blue base. Among the best lavender tulips in our collection. Highly recommended. Doz., \$1.25; 100, \$9.00; 1,000, \$85.00.

★**Sir Trevor Lawrence** (29 in.) Purplish-violet, white center. Large flower and a good keeper. Doz., 80c; 100, \$6.00; 1,000, \$55.00. (Illustrated on Cover E.)

★**The Bishop** (29 in.) A magnificent large flower of clear, deep violet, with a blue base circled by a white halo. A beautiful tulip of good form. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

★**Tilly Luss** (27 in.) A lovely rose-purple with grayish black center; large, pointed flower of great substance. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00. (Illustrated on Front Cover.)

★**William Copeland** (25 in.) (Sweet Lavender). Outside this variety produces flowers of fine rosy lilac, but is at its best when grown indoors during the winter. When forced indoors the flowers are the purest lavender of all tulips. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

★**Zev** (27 in.) A fine violet-blue with lighter border. Flower is large and well formed. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

## Yellow Darwins

★**Heroine** (29 in.) Clear lemon-yellow flushed dark yellow inside. Yellow base and anthers. Strong, straight stem. Each, 30c; doz., \$3.00; 100, \$22.00.

★**Michael Angelo** (29 in.) Soft luminous yellow, deepening to chrome at the edges of petals. Good substance and does well under adverse weather conditions. Doz., \$1.60; 100, \$11.00; 1,000, \$105.00.

★**Yellow Giant** (29 in.) A golden yellow tulip of great beauty and size, a large flower with black anthers. Tall and strong stem. This is the best of the several yellow Darwin tulips offered. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

### "THE WINNER"

In this collection we offer outstanding varieties recommended for exhibition at flower shows. Six each of the following varieties, separately labeled, postpaid

For \$3.00

Pres. Taft, Bright Red Michael Angelo,  
Zev, Violet Blue Venus, Rose Yellow  
Mermaid, Flesh Pink Rensselaer, White



WHITE DARWIN TULIP GLACIER WITH FORGET-ME-NOT.

## White Darwins

★**Duke of Wellington** (26 in.) A delightful creamy-white flower of great beauty; white anthers and base; good stiff stem. Doz., \$1.10; 100, \$8.50; 1,000, \$80.00.

★**Glacier** (28 in.) A giant white with white base and anthers. Tremendous oval shaped flower with very substantial flower-petals. Does not open as wide as most Tulips do when placed in warm room. We do not know of another tulip of its size and with same lasting qualities. Each, 35c; doz., \$3.50; 100, \$25.00. (Illustrated on Front Cover.)

★**Helen Eakin** (30 in.) Pure, snow-white flowers of perfect texture, beautifully proportioned, the personification of heavenly purity. The flower is wide open and more "square-shouldered" than "Rensselaer." Each, 25c; doz., \$2.10; 100, \$14.00.

★**Kriemhilde** (29 in.) Delicate white somewhat shaded cream. White base and anthers. Good for forcing or bedding. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

★**Rensselaer** (28 in.) The flowers are excellent in form, and purest white in color. Unlike other white tulips that open cream colored, this variety opens pure white and remains so until the petals fall. Flowers are enormous with black anthers that contrast pleasingly with the snow-white texture of the bloom. Doz., \$1.40; 100, \$10.00; 1,000, \$95.00.

★**Shot Silk** (23 in.) An outstanding variety; pure silky-white, with white base and anthers. One of the very best when forced in late January, with remarkable strong wiry stem and lovely oval flower of great substance. Highly recommended for forcing in mid-February or for pot culture. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

★**White Emperor** (29 in.) Pure white, creamy white center with black anthers. Recommended for forcing in late January, also a delightful bedding variety. Large and strong flower. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

★**White Giant** (30 in.) This is a perfect white tulip, it has the correct Darwin-form, straight, stiff and tall stem, flower petals are thick; it is without question one of the best white tulips ever offered. May be used for forcing in early February or for bedding. We fully recommend it. Doz., \$1.80; 100, \$13.00; 1,000, \$120.00.

★**Zwanenburg** (28 in.) Pure white with black anthers. Large flower, highly recommended for both bedding and forcing. Doz., 80c; 100, \$6.00; 1,000, \$55.00. (Illustrated on Cover E.)

## Lacinated Darwin

★**Sundew** (25 in.) This flower is something entirely new in tulips. The curved petals are provided with barbs, giving the edges of the flower a fringed effect. It is said to be a natural sport of the popular variety Bartigon, retaining the brilliant crimson coloring and magnificent size of its parent. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

## New Race of Triumph Tulips

NOT since the Darwin race was introduced, has so great an improvement been made in the tulip family, as in the new Triumph class. Here are early tulips—coming at a time when every bit of color in the garden is more precious because there is so little of it—with stems as tall, flowers as large and colors even more brilliant than the Darwins. A hybrid of the Darwin and early singles, the Triumph tulips have a distinctive beauty of their own, and a clear luminous color quality which will make you treasure them. Two full weeks are added to the tall tulip season by planting these.

★**Alberio**. (24 in.) Glossy cherry-red with very small yellow rim around petals. Large flower, good bedder. Doz., 75c; 100, \$5.50; 1,000, \$65.00.

★**Denbola** (18 in.) Dark amaranth-red with a broad edge of creamy white and a bluish white base. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

★**Elizabeth Evers** (22 in.) Aniline-red shaded silvery-rose, white base. Large flowers. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

★**Kansas** (22 in.) Snow white, lemon yellow center. Doz., 75c; 100, \$5.50; 1,000, \$50.00. (Illustrated on Cover C.)

★**Lord Carnarvon** (22 in.) Pink, white base and white edged. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Mr. Zimmerman** (20 in.) Pink flushed silvery white. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

★**Sam Pearce** (22 in.) Deep rose, white center. Large flower. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

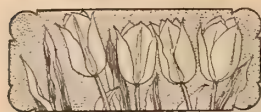
★**Sardonix** (26 in.) A very fine lavender with good large flower. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

★**Telescopium** (23 in.) Violet rose, strong flower on stiff stem. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

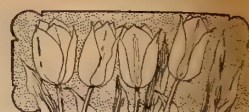
★**Ursa Minor** (17 in.) Deep golden yellow. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

★**Extra Fine Mixed** Doz., 70c; 100, \$5.00; 1,000, \$45.00.





# Cottage Tulips



GIANT TULIPS WILL PROVIDE VIVID COLOR EFFECTS IN FORMAL GARDENS.

**COTTAGE** tulips are inclined to have pointed petals, sometimes turned back, and the blossom to be smaller and more slender. But they harmonize perfectly with the Darwins and Breeders and supply a quality of clear, bright color which these lack. They blossom a few days later than the Darwins, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Light shade also lengthens stems. Many sweet-scented varieties are included, such as *Gesneriana*, *Lutea*, and *Mrs. Moon*.

## Red and Orange

**Advance** (28 in.) A glorious orange-scarlet tulip of tremendous size. Center is glittering black, strong, tall stem. This is a crossing between *C. T. Gesneriana* *Spathulata* and *Tulipa Tubergeniana*. A wonderful novelty for exhibition. Each, 25c; doz., \$2.10; 100, \$14.00.

**Grenadier** (20 in.) Magnificent light orange. When the sun shines on a fully expanded flower of this variety the color is dazzling. Flower long, on graceful stem. Doz., 70c; 100, \$5.00; 1,000, \$45.00. (Illustrated on Cover D.)

**Glare of the Garden** (18 in.) Large egg-shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of all late crimson tulips. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**G. W. Leak** (25 in.) Bright vermillion, yellow center. Should be a valuable addition to your collection. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

**Henry Correvon** (25 in.) Bright geranium red with pure white base. A beautiful tulip and highly praised in our trial gardens. Doz., \$1.65; 100, \$11.00; 1,000, \$105.00.

**Inglescombe Scarlet** (16 in.) Brilliant vermillion with a black base. One of the best reds. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Marshall Haig** (26 in.) Brilliant scarlet with glittering red interior, yellow base. A fine tulip for the garden. Each, 25c; Doz., \$2.35; 100, \$17.00.

**Lohengrin** (27 in.) Brilliant cochineal-red, slightly shaded orange, large white center, yellow anthers. Large urn-shaped long stemmed flowers. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

**Mayflower** (28 in.) The largest of all tulips in existence, a beautiful light orange scarlet with glittering black center. This is a crossing between *Tulipa Gesneriana* *Spathulata* and *Tulipa Tubergeniana*. Each, 30c; doz., \$3.00; 100, \$22.00.

**Mazeppa** (23 in.) Bright, cochineal-red, large white center. Novelty. Each, 20c; doz., \$1.80; 100, \$13.00.

**Nectar** (24 in.) Crimson with a large, pure white base that contrasts its rich color. Slightly reflexed petals. Extremely large flower. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

## Oak Park Collection

100 COTTAGE TULIPS \$5.50

Ten each of the following ten representative varieties of Cottage Tulips, (100 first size bulbs) will be sent postpaid for \$5.50.

- 10 Argo, yellow penciled orange red.
- 10 Dido, pink and salmon.
- 10 John Ruskin, salmon and rose.
- 10 Glare of the Garden, crimson.
- 10 Grenadier, orange.
- 10 General French, cerise-red.
- 10 Maiden's Blush, white with rose margin.
- 10 Carrara, white.
- 10 Mrs. Moon, fragrant yellow.
- 10 Rosabella, pure pink.

This collection of 100 bulbs of the delightfully graceful, brilliantly colored Cottage Tulips will insure your garden a well balanced display.

**Orange King** (23 in.) Deep orange, inside of cup deep orange-scarlet with yellow center. Globular flower, sweet-scented. Doz., 70c; 100, \$5.00; 1,000, \$45.00. (Illustrated on Cover D.)

**President Hoover** (27 in.) Deep orange-scarlet, outside orange. Large flower with strong stiff stem. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

**Rev. Joseph Jacob** (26 in.) A beautiful, bedding tulip. Bright cochineal red, white center. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

## Bronze

**Ambrosia** (22 in.) An enchanting combination of bronze with rosy lilac; inside is a salmon-orange tone. A pleasing soft blend that harmonizes with many colors. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## MIXTURES

Cottage Tulips  
Vaughan's Special

An excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

Regular Holland Mixed. Doz., 70c; 100, \$5.00; 1,000, \$45.00.



## Pink and Rose

**Barbara Pratt** (32 in.) Rich light cochineal carmine, edges lilac-rose. A very beautiful tulip with slightly reflexed petals. Highly recommended. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00. (Illustrated on Front Cover.)

**Dido** (26 in.) Superb in form, poised erect on a straight stem, we know of no other tulip that has more fragrance and brilliant coloring than Dido. It is a deep, rich pink with salmon lights, suffused and slightly edged orange. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**General French** (26 in.) Immense size, perfect form, of warm rose tone. The flower is egg-shaped, many of the petals being fully six inches in length. Created a sensation last spring at our trial grounds. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Inglescombe Pink** (24 in.) Warm pink tinged orange near edges of petals when it first opens. Age makes this tulip more beautiful, as after the first few days it changes to pure pink. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**John Ruskin** (24 in.) Large egg-shaped bloom of graceful form and habit. Flowers are salmon and rose with pale yellow margin; inside heliotrope with golden border and base. Really a masterpiece in color and shape. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Maiden's Blush** (20 in.) The old English Picotee; snow-white with a margin of rose. The petals are very pointed and reflex beautifully. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Marjorie Bowen** (24 in.) A very unusual shade—a combination of buff and salmon which passes to deep rose-pink with salmon shading. The large, well-formed flower is borne on a fine, strong stem. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**Rosabella** (18 in.) This graceful tulip can be compared to the loveliness of a rose bud. Pure pink in color, it possesses great charm. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## Yellow

**Arethusa** (27 in.) Canary-yellow, large well formed flower on strong stem. You should have this one in your garden. Doz., 85c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Cover E.)

**Argo** (22 in.) While the flower is not large, it stands out amongst all others for its rich color. It is deep golden yellow, slightly penciled toward the top edges with orange, which deepens as the flower ages. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Avis Kennicott** (22 in.) Long, pointed flower, very large, deep chrome-yellow, with striking black base. A tone that contrasts beautifully when planted with blue-bells (*Mertensia*). Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Golden Harvest** (28 in.) Large golden-yellow flower of great substance. Tall stiff stem. Here is a real exhibition flower, best yellow in existence. Each, 20c; doz., \$1.75; 100, \$12.00; 1,000, \$110.00. (Illustrated on Front Cover.)

**Jeanne Desor** (28 in.) Deep orange-yellow toward the edge of the petals. The long, well-formed flower is of splendid substance, and borne on a strong, stiff stem. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

**Inglescombe Yellow** (18 in.) A fine shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Doz., 70c; 100, \$5.00; 1,000, \$45.00. (Illustrated on Cover D.)

**Moonlight** (20 in.) Long, narrow flower of beautiful pale yellow. Opens two or three days sooner than most yellow Cottage tulips. Doz., 75c; 100, \$5.50; 1,000, \$50.00. (Illustrated on Cover C.)

**Mrs. Moon** (26 in.) This is one of the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## White

**Albino** (22 in.) A fine, pure white. Flower is large. Can be used for forcing. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Carrara** (22 in.) This tulip has created a sensation at the various spring flower shows. It is round and pure white. The flower is very large. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Vesta** (25 in.) White, good for late forcing or bedding. Doz., 75c; 100, \$5.50; 1,000, \$50.00.





# Breeder Tulips



**BREEDER** tulips are closer to the parent type of this ancient flower than others. The origin of the tulip is hidden in the dim past. But we know that the Dutch fanciers who in 1634 to 1637 speculated in new varieties during the reign of TULIPOMANIA grew the "mother bulbs," or Breeder Tulips, to produce new striped varieties by "breaking." The Darwin race is supposed to have developed from the Breeders. For a long time the dark rich colors of the latter were neglected in favor of the brighter and clearer tones of the other types. But recently taste has changed, and the richly hued Breeders have come into favor.

They blossom in May, and though some are not so tall, perhaps produce, as a rule, even larger blossoms than the Darwins. The colors include many rare among flowers—browns, bronzes, purples, blue-blacks, deep mauves, dull gold and dark lilac all exquisitely blended.

**PLANTING.** Plant the same as Darwins.

★Varieties starred thus are in our opinion of outstanding merit for garden planting.

**Alice Keith** (27 in.) Very bright orange-yellow edged golden with small olive green base. Large flower on strong stem. One of the finest Breeder Tulip for bedding. The flower becomes more beautiful as it ages. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Augustus** (30 in.) Deep greyish red and flushed purple flower of tremendous size, white base. Strong growing variety with a tall and stiff stem. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

★**Bacchus** (28 in.) Though introduced over 300 years ago, it has no superior in clear, richness of color and beauty of form. The color is very similar to the purple of Concord grapes. Doz., 80c; 100, \$6.00; 1,000, \$55.00.



Breeder Tulips May be Planted with Cottage, Darwin and the Other Late Types for Desired Color Effects

★**Brigadier** (27 in.) A chestnut-brown shaded orange, bordered lighter orange, oval shaped flower of good substance. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**Bronze Queen** (28 in.) Soft buff, inside tinged golden bronze, good forcer. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Cardinal Manning** (34 in.) Bishop's purple, flushed rosy bronze changing to an almost pure orange at the extreme edges of the petals, tinged yellow base. Large egg-shaped. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Cherbourg** (30 in.) Undoubtedly one of the finest Breeder Tulips. A deep tone of golden yellow, with a suffusion of terra cotta, the deeper tone of yellow growing stronger toward the edges of the petals. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00. (Illustrated on Front Cover.)

**Cunera** (32 in.) Enormous deep violet-purple and bronze Tulip overlaid with plum color on the outside, bronze margin. A very fine variety. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

★**Dillenburg** (27 in.) A glorious salmon orange, shaded rose. The flowers are large and borne on strong, stiff stems. Highly recommended for exhibition purposes but should not be used for early forcing. Doz., 70c; 100, \$5.00; 1,000, \$45.00. (Illustrated on Cover C.)

## Lake Forest Collection

100 BREEDER TULIPS \$6.00

Ten each of the following ten representative varieties of Breeder (100 first size bulbs) will be sent, postpaid, for \$6.00.

- 10 Bacchus, grape blue
- 10 Brigadier chestnut brown.
- 10 Bronze Queen, soft buff
- 10 Cardinal Manning, wine red
- 10 Heloise, deep magenta red
- 10 Louis XIV, purple and gold
- 10 Dillenburg, salmon orange.
- 10 Panorama, deep red
- 10 Prince of Orange, orange scarlet
- 10 Velvet King, purple

This collection of 100 bulbs will insure your garden a well balanced display of the richly colored, artistic Breeder Tulips.

**Don Pedro** (27 in.) A beautiful shade of coffee-brown, shaded maroon, inside rich mahogany. Most fragrant. Doz., 70c; 100, \$5.00; 1,000, \$45.00. (Illustrated on Cover C.)

★**Heloise** (25 in.) Enormous flower of fine form, deep magenta-red, with a yellow base edged olive. This variety bears our special recommendation. Doz., 95c; 100, \$7.00; 1,000, \$65.00.

**Hirschbrun** (28 in.) Large flower, dull carmine-violet with brown merging into mahogany towards the edges, base very dark. Each, 25c; Doz., \$2.10; 100, \$14.00.

★**Indian Chief** (38 in.) Above all other tulips, even Louis XIV, Indian Chief towers like a giant, dwarfing in comparison varieties that we long considered unsurpassable. The flower is enormous, very widely opened, and squarely built. The flower is mahogany red in color, the petals are of very heavy texture, the stem extremely heavy and straight. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00. (Illustrated on Cover E.)

**Joy McArden** (26 in.) Bright golden bronze with orange flush, perfectly globular flower of great substance. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

## MIXTURES

### Vaughan's Special

An excellent collection of this popular class of Tulips, including many rare colors. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

Regular Holland Mixed. Doz., 70c; 100, \$5.00; 1,000, \$45.00.



INDIAN CHIEF

★**Louis XIV** (36 in.) Since it was introduced twenty years ago, this variety has been considered by many good judges to be the finest of all tulips. Others may match it in height, in size, or in rich coloring; but a rival which equals it in all these qualities is yet to appear. In the garden it is always magnificent, and as a cut flower its rich blend of purple and gold is truly royal. Offered by us in 1918 at \$13.00 a dozen, increased production has brought its price down to a minimum, but its beauty remains unchanged and unrivaled. Doz., 75c; 100, \$5.50; 1,000, \$50.00. (Illustrated Cover C.)

**Lucifer** (28 in.) An assembly of very capable judges of flowers pronounced this variety the most beautiful of the orange red tulips. Very late flowering, tall stem, and very brilliant color. Good form and excellent substance. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Minuet** (32 in.) Silvery-lavender flushed pink, sky-blue base. Flower of good substance on tall, erect stem. Doz., \$1.40; 100, \$10.00; 1,000, \$95.00.

★**Panorama** (24 in.) (Fairy) Rich deep red of beautiful form, strong stem and good substance. Excellent cut flower. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Prince of Orange** (25 in.) Orange-scarlet, edged light yellow flower of striking beauty. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Roi Soleil** (32 in.) Rich dark bronze, flamed purple, Breeder T, sport of Louis XIV. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

★**Sundance** (26 in.) Dark orange, flushed bronze, edged light bronze. The flowers are large, well formed, and carried on strong stems. We recommend this variety for forcing in late January and for planting in the garden. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Tantalus** (30 in.) Light cadmium-yellow shaded dull violet. An exhibition variety. Each, 25c; doz., \$2.25; 100, \$15.00.

**Thomas Stephenson** (33 in.) Beautiful lavender, delicately flushed red with darker shadings inside towards the base which is clear blue. Enormous flower of fine substance that is carried on a straight strong stem. Doz., \$1.35; 100, \$9.50; 1,000, \$90.00.

**Turenne** (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Velvet King** (21 in.) Crimson-maroon, reflecting a purplish "bloom"; deep crimson inside. Creamy white base. Rounded petals. Distinct in color and shape from Zulu. Very fine. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

★**William the Silent** (26 in.) Enormous, handsome flower of dark violet-purple with white base. The cup is well opened, the stem strong, and the flower has a glossy sheen. Doz., \$1.80; 100, \$13.00; 1,000, \$120.00.





PARROT TULIP GLORIOSA

## Striped Tulips

THOUGH too gay for modern taste to serve in large plantations, the old-fashioned striped tulips are beautiful. They prove that the Dutch tulipomania was not without excuse, and no gardener who wishes his collection to be representative will be without some specimens.

**Bizarres** Mixed. Flowers beautifully blotched, striped and feathered with crimson pink, scarlet, rose, lilac and purple on yellow ground. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Bybloemens** Mixed. White ground, blotched, striped or feathered with lilac, purple, violet, blue. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Rembrandt** Tulips are in reality "broken" forms of Darwin tulips. Broken tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms possess splendid decorative value. The stems average from 18 to 22 inches in height. Mixed. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

## Parrot Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all tulips. Flowering at the same time as other late sorts; they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height is 15 inches.

**Admiral de Constantinople** Red, tipped orange. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**\*Fantasy** A remarkable Parrot Tulip with a straight, strong stem, a quality which has always been lacking in Parrot tulips. This variety is a sport of the well-known Darwin tulip, Clara Butt, and has the same clear pink color as its parent, combined with artistic form of a Parrot tulip. Each petal is over three inches long, and two inches across. The center of the petals on the outside are marked emerald green. Doz., 75c; 100, \$5.50; 1,000, \$50.00. (Illustrated on Cover F.)

**Gemma** Large white flowers slightly flushed apple-blossom pink. Flowers earlier than other Parrots. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**Gloriosa** Red and yellow. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Lady Derby** Lovely violet and pink with lighter edge. White center, edged blue. Large strong flower and stem. Each, 20c; Doz., \$1.60; 100, \$11.00.

**Lutea Major** Bright yellow; large. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Mixed Superfine** Doz., 70c; 100, \$5.00; 1,000, \$45.00.

## Bunch Flowered Tulips

**Monsieur Mottet** A most charming and striking and very unusual scene is to see this tulip in full bloom. It is unusual, for it always produces not one, but three to six or more flowers from each bulb. The flowers are of Cottage form, narrow and pointed, and cream white in color. A very interesting and fine garden tulip. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## ROCK GARDEN Collections

**48 BULBS, 8 DIFFERENT KINDS \$2.**

6 Snow-drops, 6 Chionodoxas, 6 Scilla Siberica (Blue Bells), 6 Crocus, 6 Species Tulips, 6 Fritillaria Meleagris, 6 Erythronium (Dog Tooth Violets), 6 Muscari (Grape Hyacinths)—48 bulbs in all, for \$2.00, postpaid.

**102 BULBS, 9 DIFFERENT KINDS \$4.**

12 Snow-drops, 12 Chionodoxas, 12 Scilla Siberica, 12 Crocus, 18 Species Tulips, 6 Fritillaria Meleagris, 6 Erythronium (Dog Tooth Violets), 18 Grape Hyacinths, 6 Leucojum Vernum—102 bulbs in all, prepaid for \$4.00.

**277 BULBS 10 DIFFERENT KINDS \$10.**

25 Snow-drops, 25 Scilla Siberica, 25 Chionodoxas, 50 Crocus, 36 Species Tulips, 12 Fritillaria Meleagris, 50 Grape Hyacinths, 24 Jonquils (true), 12 Miniature Daffodils, 12 Eranthis, 6 Iris Reticulata—277 bulbs in all, for \$10.00 prepaid.

## Species Tulips

For the Rock Garden and Hardy Plant Border

The general characteristics of the various species, all of which are natives of Asia Minor and Central Asia, are bright colors and recurved petals. These Tulips do not always feel happy in their new surroundings and after two, or possibly three, seasons they will disappear. With care and the provision of suitable quarters they will flower quite satisfactorily. They feel best contented in rock gardens and borders.

**Australis (Celsiana)** Yellow, tinged outside of petals reddish bronze, a pretty species somewhat resembling T. Sylvestris, is found growing in Spain and Southern Europe. Height 16 inches. Flowering in April. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Cornuta Stenopetala** Beautifully formed flower, lacinated like a Parrot Tulip, but held upright on tall, stiff stem. Very interesting and curious in a collection. Color combination, scarlet and gold. Each, 20c; Doz., \$1.75; 100, \$12.00.

**\*Clusiana** "Lady" or "Candystick" Tulip. Outer petals bright cherry red, inner petals creamy white, with violet base; small flower, but very distinct. It should be planted in light soil 6 or 9 inches deep, in the rock garden or among stones in the front of the herbaceous border. A warm and sheltered situation should be chosen. Flowering season late April. Height, 8 inches. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Eichleri** A grand Tulip from Turkestan; immense crimson-scarlet flowers with glistening black center marked with gold. Flowers at the same time the single early tulips do. Has very pointed petals. Height 11 inches. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

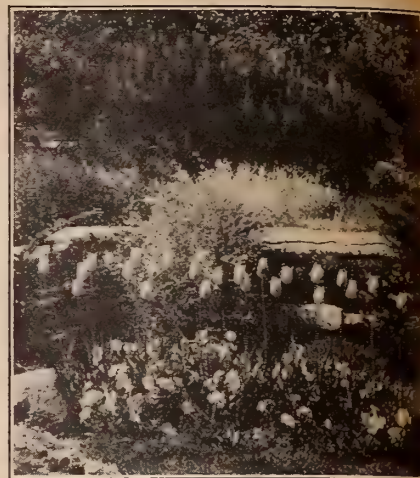
**Florentina Odorata (Sylvestrus)** Deliciously fragrant butter-yellow blossoms, often two to a stem, with bronze exteriors, carried on slender, arching stem. Increases rapidly when once established. Interplant with Grape Hyacinths. Height, 18 inches. Doz., 80c; 100, \$6.00; 1,000, \$50.00.

**Fosteriana (Red Emperor)** Fosteriana is a majestic tulip of great size; the dazzling scarlet flowers are borne upon stout stems, 18 inches and even as much as 24 inches high. Vermilion orange will perhaps best describe their intense and lovely color. Drainage must be perfect, and the sunniest place possible should be apportioned to it. It flowers in late April. Each, 35c; doz., \$3.50; 100, \$24.50.

**Forsteriana** (18 in.) Brilliant scarlet, yellow center. Each, 30c; Doz., \$3.00; 100, \$22.00.

**\*Kaufmanniana** (The Water Lily Tulip). Large, creamy flower, brilliantly marked with carmine, yellow center. Flower opens flat and is carried on a stem usually 6 inches in height. Blooms early in April. The bulbs should be planted six inches deep. Splendid for naturalizing in shady places; self-seeds freely. One of the first to flower. Height 5 to 7 inches. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

**Marjoletti** (14 in.) Primrose-yellow shaded carmine-red, green starred base. Doz., 75c; 100, \$5.50; 1,000, \$50.00.



SPECIES TULIPS IN THE ROCK GARDEN.

## Lily Flower Tulips

As the result of crossing the dainty pointed-petaled Tulipa retroflexa with a pink Darwin, we have here a new, very beautiful, and distinct race of Tulips having graceful, slightly reflexing flowers on tall, sturdy stems.

**Adonis** (24 in.) Long fine shaped flower of a vivid rosy red. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**\*Alaska** (27 in.) Long-shaped flower, with slightly reflexing outer petals. The whole flower is a rich, golden yellow. A prize winner which is as beautiful as it is novel. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Artemis** (24 in.) Bright carmine-rose, pure white base. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Captain Fryatt** Dark ruby violet, violet-blue center, strong reflexing petals, blue and white base. Each, 25c; doz., \$2.10; 100, \$14.00.

**Daphne** (30 in.) Sulphury white reflexed petals. Very graceful Tulip. Doz., \$1.80; 100, \$13.00; 1,000, \$120.00.

**Marcellina** (24 in.) Delicate cerise-pink with pure white base and yellow anthers. A good novelty. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Retroflexa Superba** (18 in.) Deep golden yellow, with very pointed recurving petals. Very graceful and sweet-scented. Height, 20 in. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**\*Sirene** (24 in.) A very beautiful flower. Rich rose-pink with pale-pink at the margins of segments, white base. Fine forcer. Great exhibition flower of exquisite beauty. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**White Duchess** (27 in.) Pure white flower of exquisite beauty, petals are undulated and recurved. A fine variety for exhibition purposes. Each, 20c; Doz., \$1.80; 100, \$13.00.

## Tulip Grullemannii

ONE of the outstanding introductions of last few years is this new type. It has been obtained by crossing a Darwin with a species tulip. The flowers are long and large, carried on stout stems holding the blossom boldly upright. All are about 27 inches in height and of remarkably robust habit. The bulbs multiply rapidly.

**Inga Hume** (24 in.) Inside deep yellow red with broad, sharply lined yellow edge, large black base, perfect formed large flower on erect stem; very fine variety. Highly recommended for forcing, it will outlast any other tulip and becomes more beautiful as the flower ages. Each, 15c; doz., \$1.40; 100, \$10.00.

**\*Magnolia** Mineva (28 in.) Inside cream-white with broad white edges. Purplish blue base. Tall erect stem. Each, 15c; doz., \$1.20; 100, \$8.50.

**Mimoza** (28 in.) Inside primrose-yellow, outside pale bluish white with a faint red shade on the outer petals, beautiful black base with broad, yellow edge, enormous perfect flower of oblong shape, tall erect stem. Each, 15c; doz., \$1.20; 100, \$8.50.



# Brilliant Garden Color Three Weeks Earlier from Single Early Tulips

TWO OR THREE weeks of brilliant color in April, following the daffodils and preceding the Darwin tulips, are worth much to any garden. The early tulips alone can supply it; and among them can be found varieties of delicate tints and shades, as beautiful and with flowers as large as anything the May-flowering classes can produce. In height, 12 inches is not uncommon, and a graceful carriage fits these taller kinds to serve in any role a Darwin would grace.

**Explanatory.** The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

★ Varieties starred thus are in our opinion of outstanding merit for garden planting.

## Yellow and Orange

★**General DeWet** 10a. Beautiful deep orange, shaded golden yellow at the base of the petals. A very fragrant flower and one of the finest varieties in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Doz., 80c; 100, \$6.00; 1000, \$55.00. (Illustrated on Cover C.)

**Olympiade** 13a. Bright golden yellow, very large, well shaped flower on stout tall stem. Good for forcing and bedding. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

★**Rising Sun** 8a. The brilliancy of its name-sake is seen in the golden beauty of this magnificent tulip. Large, of good form, and sturdy growth, it is an ideal tulip for bedding and border. Doz., 100, \$5.50; 1,000, \$50.00.

★**Sunburst** 12a. Yellow, flushed with red. A beautiful tulip for bedding or forcing. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**Yellow Prince** 8a. Golden yellow, fine forcer. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## Single Scarlet and Crimson

**Artus** 7b. A splendid deep scarlet. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Belle Alliance** 8b. Brilliant scarlet. Dozen, 80c; 100, \$6.00; 1,000, \$55.00.

★**Couleur Cardinal** 8a. As its name denotes this variety possesses the brilliant red coloring called Cardinal. Immense blooms of good cup form open later. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Fred Moore** 10b. Beautiful, large orange scarlet flowers with lighter edge. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Jonkoping** 8a. Beautiful orange red. Very early. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Prince of Austria** 8a. Orange-vermilion. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

## Pink and Rose

★**Diadem** 9a. A very beautiful, large flowered pearly pink tulip, with the interior slightly darker rose pink. This variety is outstanding because of its extreme earliness and tall, strong stem. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Hobbema** 8b. Old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. A tulip of remarkable coloring, and very beautiful when grown out-of-doors. Fine for late forcing; if forced early the color is not so clear. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Pink Perfection** 8a. One of the finest pink tulips that will give great satisfaction. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Pink Beauty** 12b. Bright rose-pink shading to bluish-white. Doz., 95c; 100, \$7.00; 1,000, \$67.50.

**Proserpine** 8a. The best dark pink early tulip. All others fade into oblivion when Proserpine opens her dark glossy blooms. Truly a magnificent variety. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Rose Gris de Lin** 7b. Delicate rose, flushed white. Per doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Rose Luisante** 7b. Brilliant deep pink. Per doz., 75c; 100, \$5.50; 1,000, \$50.00.



## Vaughan's Special MIXTURES Single Early Tulips

All the colors are included in this mixture, growing to approximately the same height, producing the correct effect in beds. Doz., 85c; 100, \$6.00; 1,000, \$55.00. Regular Holland Mixed, Doz., 70c; 100, \$5.00; 1,000, \$45.00.



## Single White

★**Diana** 14b. Pure glistening white, with a low base; long flower of handsome shape. A fine new tulip which grows more beautiful as it ages. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**La Reine Maxima.** 8b. A lightly flushed white tulip of large size. Makes charming beds with lavender violas. Splendid for forcing. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

**Lady Boreel** 8b. Pure white, splendid. Doz., 85c; 100, \$6.50; 1,000, \$60.00.  
**White Swan** 15b. Pure white. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

# Double Early Tulips

## Double Yellow

**Couronne d'Or (Crown of Gold)** 10a. Beautiful rich, golden yellow. Doz., 75c; 100, \$5.50; 1,000, \$52.50.

★**Mr. Van der Hoef** 12a. Yellow sport of Murillo with all its superb qualities. One of the very finest of the primrose-yellow double tulips. Doz., 70c; 100, \$5.00; 1,000, \$45.00.

**Mr. Van Tubergen** 12a. Beautiful golden yellow, a sport from Couronne d'Or. Large, exceedingly strong, full double flowers. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## Double Striped

**Mystery of India** 8b. Terra Cotta with bronze and rose combination; large flowers on strong stem, for bedding only. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

★**Toreador** 8a. Reddish orange and yellow. Doz., 80c; 100, \$6.00; 1,000, \$55.00.  
**Tournesol** 8a. Red and yellow; very showy. Doz., 85c; 100, \$6.50; 1,000, \$60.00.



## Vaughan's Special MIXTURES Double Early Tulips

Made from the best named varieties that will bloom about the same time, and of about the same height. It contains an excellent variety of blended colors. Doz., 80c; 100, \$6.00; 1,000, \$55.00. Regular Holland Mixed, Doz., 70c; 100, \$5.00; 1,000, \$45.00.



TULIP KEIZERSKROON

## Striped and Purple

**Duc de Berlin** 6a. Clear scarlet, edged yellow. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Keizerskroon** 10b. This variety has been familiar from childhood. It is one of the oldest, as it is, assuredly, one of the best of early Dutch varieties. The huge flower is bright red, nearly scarlet, edged with yellow; it is self-confident, the margin is broad and clearly defined, the flower is seen and recognized from afar. It remains a distinctive flower, a great bedding tulip, and one quite good for forcing. It is a strong, healthy grower, and a bed of it will bring into the early spring garden some of the color and joy for which we have longed for so many months. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Van Der Neer** 7b. Large, brilliant violet purple. Excellent form and striking color. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## Double Pink

**Electra** 8b. Magnificent, enormous flower; beautiful rose, feathered violet; a handsome novelty, unexcelled for exhibition purposes. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Peach Blossom** 8a. Deep rosy pink, deepening with age to a deep rose. A very fine flower with a wonderful color. A new variety of superb quality. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

★**Triumphator** 9b. Magnificent bright pink, the best of the several sports of the popular "Murillo." It is an improvement upon the variety "Peach Blossom" which has long been recognized as one of the best double pink tulips. It is more double, the color is much softer, and the form much better than the last named. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

## Double White

★**Boule de Nieve** 10b. Pure white. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Schoonoord (White Murillo)** 12b. Pure white. Extra fine. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

## Double Red

★**Orange Nassau** 10b. Bright orange-scarlet with a margin of orange. Outer petals shaded cherry-red. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Rubra Maxima** 8b. Dazzling scarlet. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

★**Vuurbaak** 9b. Bright scarlet, suffused orange. Doz., 85c; 100, \$6.50; 1,000, \$60.00.



## Double May Flowering Tulips

**Avondzon** (18 in.) Blood-red shaded orange, edged golden, inside deep orange. Large flower. Each, 20c; doz., \$1.75; 100, \$12.00.

**★Bleu Celeste (Blue Flag)** (17 in.) Blooming in May with the Cottage tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony), a delightful shade of pale bluish purple and are borne on long stems, making them splendid decorative flowers. Doz., 80c; 100, \$6.00; 1,000, \$55.00.

**Coxa** (22 in.) Carmine-red. Vermilion edged very small white border. Large flower. Very fine for border planting. Doz., 85c; 100, \$6.50; 1,000, \$60.00.

**Daladier** (20 in.) Beautiful large flower of deep carmine-rose. Doz., \$1.20; 100, \$8.50; 1,000, \$80.00.

**Epicure** (21 in.) Salmon rose shading to old gold near edges of petals. Very large flower and sturdy grower. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**Eros** (20 in.) Old rose tinted silvery, rose toward the edge. A fine large peony-flowered variety. Each, 30c; doz., \$2.80; 100, \$20.00.

**Mount Tacoma** (24 in.) A magnificent giant double white Tulip which reminds one of a peony in full bloom; superb for beds. Each, 40c; doz., \$4.00; 100, \$28.00.

**Pavo** (20 in.) A large peony-flowered variety of carmine-red. Makes a grand showing. Doz., \$1.10; 100, \$8.50; 1,000, \$80.00.

**Uncle Tom** (22 in.) Dark glossy red. A variety you should have in your collection. Large flower. Each, 30c; doz., \$3.00; 100, \$22.00.

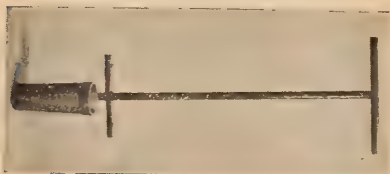
## Hole in One Planting Tools for Bulbs



Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 60c; postpaid, 70c. Large tool, \$4.00.

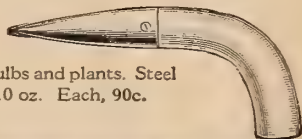
## Vaughan's Bulb Planter

A New, Handy Bulb Planter



For planting all kinds of bulbs, especially gladioli, tulips and hyacinths, etc. Similar to English type planter, but more durable. Each, \$2.85.

## Dibber



For planting bulbs and plants. Steel point. Weight, 10 oz. Each, 90c.



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, 75c a pair postpaid.

# Bowls for Growing Bulbs

**B**ULBS which are easily forced in bowls are described and illustrated on Pages 13, 14, and 15 and Cover page G. Attractive and inexpensive floral decorations for the living room and sunparlor can be produced by anyone who will follow the simple directions supplied.

For parcel post delivery add postage at zone rates.

**F. L. Style Bowls.** (Not illustrated). A pottery bowl with slightly rolled top in matt green, blue or jet black glaze finish. Prices: 5-inch (wt. 2 lbs.), 35c; 6-inch (wt. 3 lbs.), 45c; 8-inch (wt. 4 lbs.), 75c.



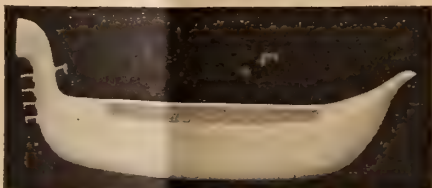
**No. 5C346. White Glazed Earthenware Flower Bowl.** Fancy molded shape with raised flower decoration. Size  $8\frac{3}{4} \times 5 \times 2\frac{3}{8}$  inches. Each, 45c.



**No. 5C164. Earthenware Flower Holder.** White glazed finish. Figures of boy and girl in seated position. Size  $5\frac{1}{2} \times 5\frac{1}{4} \times 5\frac{1}{4}$  inches. Each, 45c.



**No. 5C106. Unique Flower Container.** Figure of 2 dwarfs carrying large log which has opening in top for plants. Made of all-white earthenware with high glazed finish. Nicely molded. Size  $8\frac{3}{4} \times 3\frac{1}{2} \times 3\frac{1}{2}$  inches. Packed each in a box. Each, 45c.



**No. 4C138. Novel Gondola Shaped Flower Container.** White with green trim glazed earthenware. Ideal for short stemmed flowers or small plants. Size  $13 \times 4\frac{3}{4} \times 2\frac{3}{4}$  inches. Packed each in box. Each, 60c.

**V100 Mottled Marble Finish Bowls.** These bowls have a very artistic mottled marble effect and should not be compared with ordinary pottery bowls. 7-inch, each, 75c



**No. 3C51. Earthenware Flower Pot with Saucer Attached.** Overall dimensions: Height  $3\frac{1}{2}$  inches. All White, highly glazed, hobnail pattern. Drain in bottom. Each, 20c; 6 for \$1.00.

**No. 4C258. Comic Figure Flower Holder.** Tapered shape pot with molded petal design. Figure of girl in high colors, attached in front of vase. Comes in assorted colors. Size  $5 \times 5 \times 3\frac{1}{4}$  inches. Packed 6 in box. Each, 25c.



**No. 4C349. 3-Piece Console Set.** Centerpiece molded to represent log construction. Harmonizing candlesticks. Made of earthenware and finished in a white glaze. Centerpiece  $6\frac{1}{2} \times 4\frac{1}{4}$  inches. Height of candlesticks  $2\frac{1}{8}$  inches. Each set in carton (Candles not included). Each, 50c.



**No. 100. Earthenware Bulb Bowl,** with high glazed finish. Size  $7 \times 2\frac{5}{8}$  in. Ea., 25c; 3 for 70c.

## Gravel and Pearl Chips

Pearl Chips, white, per lb., 10c; 10 lbs., 75c. Pearl Chips, colored, per lb., 15c; 10 lbs., 85c.

## Vaughan's Prepared Fibre

For Growing Bulbs in Bowls, without Drainage. Per lb., 15c; 3 lbs., 35c; 10 lbs., 85c





# Hyacinths



**HYACINTHS** are returning to favor in gardens. Blossoming with the early tulips, they contribute to the spring garden fragrance as well as colors which at that time no other flowers can give so well. Indeed, it is doubtful whether at any time of the garden year lovelier true pinks and blues can be found than those which hyacinths provide.

They serve to border paths, near all garden architecture, including ornaments such as bird baths, pools and fountains, and groups of hyacinths may well be worked into the border planting, where they will provide a needed color foil or accent.

For garden planting, it is not necessary to use the largest forcing sizes. Bulbs of third and bedding sizes will do well. Take especial care to plant them in well drained soil, and if there is any doubt, elevate the bed a few inches to keep them above water. Plant bulbs six inches deep, and after the ground has frozen a light mulch to keep the frost in, will benefit.

## Red and Rose

**Gertrude**—Rose-Pink, one of the best pot varieties.  
**La Victoire**—Brilliant red.  
**Marconi**—Bright pink, very good.  
**Queen of Pinks**—Rose-pink, choice.

## White

**Arentine Arendsen**—Pure white, large bells, splendid spike, best for outdoor planting.  
**L'Innocence**—Pure white, best for growing in pots indoors.

## Yellow

**City of Haarlem**—Golden yellow.  
**Yellow Hammer**—Lemon yellow.

## Blue

**Dr. Lieber**—Dark blue, darker than Grand Maitre, lighter than King of Blues.  
**Grand Maitre**—Dark porcelain blue.  
**King of Blues**—Very dark blue.  
**Queen of Blues**—Very light blue.  
**Wedgewood**—Clear blue, large truss.

	Each	Doz.	100
Mammoth Bulbs. (19 Ctm.)	\$0.25	\$2.25	\$15.00
First Size (18-19 Ctm.)...	.20	1.90	13.00
Second Size (17-18 Ctm.)...	.18	1.75	11.00
Third Size (16-17 Ctm.)...	.15	1.45	9.00
Bedding Size (15-16 Ctm.)	.13	1.20	7.50

Above prices are for your selection of named varieties.

## French-Roman Hyacinths

The white variety, if planted early in September and slowly forced, will bloom in December. The others require from two to three weeks longer. They will flower in three months.

**Blue**, per doz., 95c; per 100, \$6.00.  
**Light Pink**, per doz., \$1.10; per 100, \$7.00.  
**White**, select size, per doz. \$1.85; per 100, \$12.00.



DUTCH ROMAN HYACINTHS  
FORCED IN FIBRE

## Dutch Roman or Miniature Hyacinths

These are small bulbs of the varieties listed in the first column on this page, and they are excellent for growing by amateurs in pots, pans, bowls or window boxes. They give flower spikes much larger than would be expected from their size, which is from 13 to 14 centimeters in circumference. Your selection of named varieties, chosen from the list in first column. Each, 10c; doz., 90c; 100, \$5.50.

## Hyacinth Multiflora

As a result of a special cultural treatment in July by our Holland grower, Hyacinth bulbs can be grown which from a single bulb will produce 6 to 12 excellent flowers. The flower spikes are not as heavy as the regular Dutch Hyacinth. They resemble the French Roman Hyacinths, are very fragrant and are beautiful as a pot plant.

We offer these in four colors, red, white, blue, rose-pink. Each, 45c; doz., \$4.75.



HYACINTH MULTIFLORA

## Hyacinths in Glasses

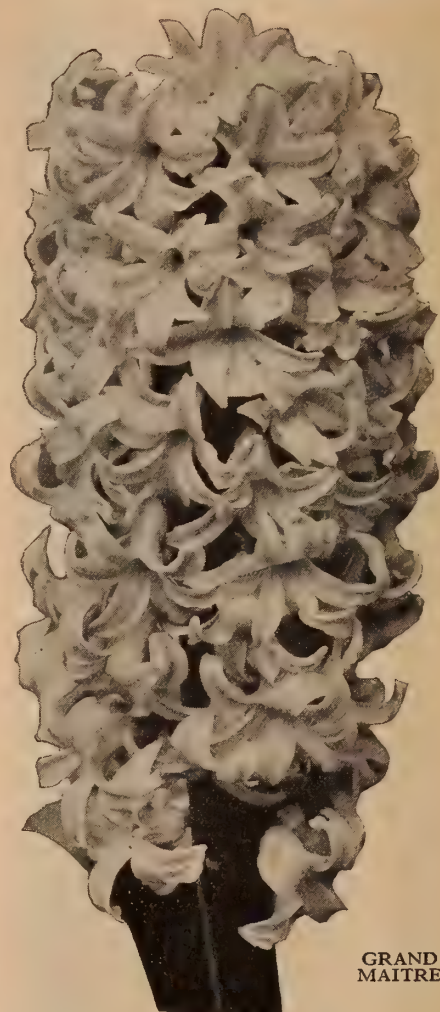
Fill the glass with clear, soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and sweet. The filled glass should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be given more heat, and gradually exposed to the light. Water must never be changed, but only be replenished. Large bulbs are best for this purpose.



## Hyacinth Glass

Not responsible for breakage in transit

For growing hyacinth bulbs in water. In four colors: green, blue, amber, and crystal. Each, 40c; doz., \$4.00.



GRAND MAITRE

## Hyacinths in Pots

### For Winter Blooming

**L**IGHT, rich soil produces the best flowers. Place each bulb one inch deep, an inch and one-half from each other bulb or edge of pot. Water well, and set away in a dark, cool cellar, or an outdoor pit which is well drained. If outside, cover with three or four inches of sand or ashes. Let them remain there for eight or ten weeks to root, then bring them into a warm room, but keep them in the dark (cover the pot with a paper bag, cloth, etc.). Then when the flower spike is three or four inches out of the bulb, they may be exposed to the light, and will open beautifully. The largest bulbs are best for indoor growing. French-Roman Hyacinths in pots flower earlier than the others.

## Exhibition Hyacinths (Mammoth Bulbs)

These are the bulbs 19 centimeters and over listed in the first column on this page. They are not recommended for outdoor planting but should be used for forcing in glasses, or in pots or pans. We have arranged with one of our Dutch growers to select these bulbs for their ability to give huge spikes of flowers, suitable for flower shows, or for striking decorative effects.

A succession of decorative flowers can be produced with exceptional ease and certainty by starting mammoth hyacinths to grow in glasses at intervals of two weeks.

250 Bulbs will be sold at the 1,000 rate



# Vaughan's Paper White Narcissi



KING ALFRED

## Forcing Daffodils

DAFFODILS are excellent subjects for indoor growing in bulb pans in soil or fibre. These require more skill in growing than do Paper White Narcissi. Success depends on the extent to which fine roots are developed before the pots are brought to the light. These roots develop best when the pots are about fifteen degrees above freezing. A pit in the garden which is protected from surface water, so it will not fill, is an excellent place to store the bulbs. The pots may be covered with leaves, straw, or even with ashes or sand; and brought in after eight weeks, when it is desired to begin forcing them. Figure on not less than five months before flowers are produced. After being brought into the house, a temperature of 60 degrees is sufficient until the formation of buds begins, and the best flowers will then be formed in a temperature of 68 degrees. All the light possible should be given after top growth begins. King Alfred is easiest to grow.

**Emperor.** The entire flower is a rich yellow trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Each, 15c; doz., \$1.20; 100, \$8.00.

**King Alfred.** "The King of Yellow Daffodils." Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Each, 15c; doz., \$1.45; 100, \$9.50.

**Spring Glory.** A very early showy bicolor daffodil with large white perianth, broad and spreading, trumpet large and handsome, bright yellow with open frilled mouth. Each, 15c; doz., \$1.20; 100, \$8.00. (Illustrated on Back Cover.)

**Tresserve.** A flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring 2¼ inches across. Each, 15c; doz., \$1.30; 100, \$8.75. (Illustrated on Back Cover.)

**Cheerfulness.** The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. Each, 15c; doz., \$1.25; 100, \$8.50.

**Laurens Koster.** Perianth white, cup light orange-yellow. Each, 15c; doz., \$1.40; 100, \$9.00.

**Orange Cup.** Yellow perianth, cup orange red nicely frilled. Each, 15c; doz., \$1.50; 100, \$10.00.

**Twink.** It is a double of the semi-full type, the petals alternating a soft primrose and clear orange, so arranged as to give the flower a most attractive appearance. Each, 25c; doz., \$2.40; 100, \$15.00. (Illustrated on Back Cover.)

## Best of all Bulbs to Grow in Pebbles and Water

(Illustrated in Color on Cover Page G)

THESE have been favorites for ages as a decoration for the living room during the coldest winter months when flowers are scarce. Their culture is simple, and with good strong bulbs such as we supply, flowering is sure. Plant bulbs in shallow bowls filled with pebbles, or fibre, and water. Keep in the dark until roots form (about 2 weeks) then bring into light. A day temperature of not over 70° is best.

**Fancy selected bulbs (13 ctm.).** Three bulbs for 15c; doz., 50c; 100, \$3.00; 1,000, \$25.00.

**Mammoth bulbs (14 ctm.)** Three bulbs for 20c; dozen, 60c; 100, \$4.00; 1,000, \$35.00.

**Jumbo bulbs (15 ctm.).** Three bulbs for 25c; dozen, 75c; 100, \$5.00; 1,000, \$45.00.

## The Yellow Paper White (GRAND SOLEIL D'OR)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.

**Mammoth bulbs.** Per three, 45c; dozen, \$1.40; 100, \$10.00.

## Chinese Sacred Lily (Narcissus)

THIS narcissus is called by the Chinese the "Joss Flower" or "Flower of the Gods," and "Water Fairy Flower." It is highly prized for the abundance of its flowers and its marvelously rapid growth. The flowers are white, with yellow cup, and very fragrant. Each bulb produces several flower-spikes. In China and Japan the bulbs are grown in the living rooms in fancy bowls filled simply with pebbles and water. Place in a sunny window by day and on a table near the center of the room by night, as frost destroys the flower buds. Care should be taken that it is not placed in a draft, as this may cause non-flowering. Recommended for Christmas flowering.

**Large Bulbs.** Each, 10c; three for 25c; per dozen, \$1.00; 100, \$7.00.

## Calla Lilies

**WHITE, Ready Now.** A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer.

**First Size (1¼ to 1½ in.)**... Each, 10c; doz., \$1.00; 100, \$7.00.

**Select Size (1½ to 1¾ in.)**... Each, 20c; doz., \$2.00; 100, \$15.00.

**Mammoth (1¾ to 2 in.)**... Each, 35c; doz., \$3.50; 100, \$22.50.

**Jumbo (2 in. and over)**... Each, 50c; doz., \$5.00; 100, \$38.00.

## Golden Yellow Elliottiana, Ready in November

New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden yellow; foliage dark green, with translucent creamy spots, strong bulbs.

**First Size (2 to 2½ in.)**... Each, 20c; doz., \$2.00; 100, \$15.00.

**Mammoth (2½ to 3 in.)**... Each, 35c; doz., \$3.50; 100, \$22.50.

**Jumbo (3 in. and up)**... Each, 50c; doz., \$5.00; 100, \$38.00.

## CALLA BABY WHITE

Dainty little flowers on plants 12-18 inches high. Steady bloomer. Fine pot plant.

Each, 20c; doz., \$2.00; 100, \$15.00



FREESIAS Forced in Flower Pot

## Giant Freesias

These fragrant flowers are easily forced in pots, pans or window boxes; and they make delightful decorations on the table or in the sunparlor. They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window where they will flower freely from January onwards. Grow cool.

All Bulbs are Mammoth Size  
5¼-¾ inch

**APOTHEOSE.** New. One of the best varieties, very large robust flowers, opening deep mauve-lilac, turning to bright carmine-pink; white throat, tall stems. Doz., 50c; 100, \$3.00; 1,000, \$25.00.

**ELDER'S GIANT WHITE.** The finest white variety, beautiful pure white flowers double the size of Purity. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

**GOLDEN DAFFODIL.** A great improvement over any other yellow sort, the color is rich daffodil yellow. Doz., 45c; 100, \$2.75; 1,000, \$20.00.

**WHITE CHIEF.** A new Giant White, stems average 18 to 20 inches long. Single flowers 2½ inches long; early bloomer. Doz., 50c; 100, \$3.00; 1,000, \$25.00.

**MRS. MARC PETERS.** Very attractive deep rosy salmon, blotched orange with yellow. Doz., 55c; 100, \$3.50; 1,000, \$30.00.

**MISS BLANCHE BLUE.** (Patented) Deep blue, large, open flowers; tall, strong stems; long lateral stems; a sturdy grower and easy forcer. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

**MARIE LOUISE VIOLET.** The flower is large of a deep blue violet color, sometimes with a little touch of pink in it, which makes it very attractive. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**RED RIDING HOOD.** A new color; blood red, yellow throat with lines of red. Under average greenhouse conditions it will grow to 33 inches. The growth is upright, stems rigid and each bulb produces from 3 to 4 laterals. Doz., \$1.00; 100, \$7.50; 1,000, \$70.00.

**SUNSET.** Something new in color, flame orange reminding you of the glorious sunsets in California. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

**ROSY MORN.** The color is a rosy-pink suffused with golden yellow at the base of each petal. Early bloomer. Stem is strong and wiry. The leaves upright and the blossom is of the open, round petal type. Doz., 75c; 100, \$5.00; 1,000, \$40.00.

**RUTH CHATTERTON.** The color is distinctly new, tyrian rose shading to tyrian pink; shot with delicate streaks of cadmium yellow becoming solid yellow down into the perianth. The flowers and sprays are gigantic, delicately perfumed and supported by long heavy stems with two and three long laterals. Doz., 95c; 100, \$6.00; 1,000, \$55.00.

## Lachenalias

Lachenalias are useful as pot plants because of their bright flowers and interesting foliage.

**PENDULA SUPERBA.** Bright red. Early fire-cracker like flowers one inch long on 6 to 9 inch stems; bloom in December and January. Three Bulbs for 75c; doz., \$2.75; 100, \$20.00.





LEUCOCORYNE (GLORY OF THE SUN)

## Leucocoryne

(Glory of the Sun)

Flowers exquisite light blue on tall, wiry stems and of very long-lasting quality with faint heliotrope fragrance. For indoor culture except in warm states. Each, 20c; doz., \$1.75; 100, \$12.00.

## Lilies of the Valley

(Illustrated in Color on Cover Page G.)

THESE beautiful, fragrant flowers may be brought to flower in 18 to 21 days, if pips from cold storage are used. They are easily forced in a bowl, if planted in sphagnum moss and kept well watered. Their dainty fragrance is preferred by many to the large Paper White Narcissi, and they are much quicker to flower. Do not order more than you intend to use at once as the cold storage pips will not keep. Plant about 25 pips in a 7-inch bowl, place in a warm temperature, 65 degrees Fahrenheit and shade from light until leaves and spikes are well developed, then admit light gradually. Increase temperature to 75 degrees or 80 degrees if possible. An inverted pot over each bowl answers admirably to shade them. They may be forced in soil the same way, in a 7-inch pot or pan. This is the treatment for cold storage pips only.

**COLD STORAGE PIPS**, (Ready November 1). 25 for \$2.00; 100 for \$7.50, postpaid.

**SPHAGNUM MOSS**, sufficient for 25 pips, 10c, postpaid.

## LILIES ON YOUR TABLE ALL WINTER

One month covers the time from planting cold storage lily of the valley pips, through flowering, and fading. To keep your bowl filled through the winter we have arranged to book orders for divided shipments, a month apart. Cold storage pips must be planted promptly on receipt. We will send the first shipment at any date you wish (Nov. 25 will give you Christmas flowers) and will duplicate the shipment every 30 days thereafter, as long as you wish (until April 1). Minimum shipment is 25 pips; for \$2.00, prepaid to 300 miles. For two months' supply (25 each 30 days), send \$4.00; 3 months, \$6.00; 4 months, \$8.00; 5 months, \$10.00.

## Oxalis

For Indoor Planting Only

Most of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil.

**GRAND DUCHESS**. Lavender, pink and white. Doz., 45c; 100, \$3.00; 1,000, \$25.00.

**BERMUDA BUTTERCUP**. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

**HIRTA**. Deep pink, very fine for hanging baskets. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

# A Winter Window Garden

## 18 Bulbs Including Six Different Subjects With \$1.50

### Vaughan's Prepared Bulb Fibre. Prepaid 300 Miles

#### INCLUDED IN THIS OFFER

3 Single Early Red Tulips.  
3 Mammoth Paper White Narcissus bulbs, 14 ctms.  
3 Yellow Paper Whites (Grand Soleil D'Or) mammoth bulbs.

2 Chinese Sacred Lilies, mammoth bulbs.  
6 Giant Freesias, "White Chief."  
1 Calla Lily bulb, first size.  
2 Pounds of Vaughan's Prepared Bulb Fibre.

Most of you know how easy it is to force into flower the beautiful, fragrant, Paper White Narcissi, in bowls of water. By using Vaughan's prepared bulb fibre in place of pebbles, the variety of bulbs that can be forced is widely increased.

**METHOD OF FORCING BULBS IN FIBRE.** Moisten Vaughan's Prepared Bulb Fibre to saturation, fill the bowl with wet fibre, and plant the bulbs allowing their necks to emerge from the fibre, but without pressing the fibre too firmly around them. Place the bowl in a cool, airy place where the light is dim or dark, and preferably the temperature does not rise above 55 degrees. Keep the fibre moist, since if it dries out the flower buds may go blind. But water sparingly until good roots have formed. When strong top growth has been made in the dark, take the bowl to a sunny window, where it will have fresh air, all the sunlight possible especially in the morning, and preferably a temperature not less than 55 nor more than 70 degrees.

Complete Directions for Planting and Forcing All These Subjects Are Included.

## Giant Amaryllis

(Illustrated in Color on Cover Page G.)

OF ALL bulbs which the amateur can grow successfully indoors, the Amaryllis is the largest, most beautiful, surest to flower and most easily handled. Our new hybrids, especially, are so gorgeous in size and coloring as to amaze those not familiar with them. From a single stem, spring from one to three lily-like flowers, six to eight inches in diameter.

Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring to light.

After flowering they should be placed in a warm window, or set outside in sand or cinders and watered every day (sometimes twice a day), until the end of August when water should be gradually withheld and the bulbs allowed to go to rest. In the fall they can be forced again as with new bulbs.

**Vaughan's New Hybrids.** One of the finest strains of amaryllis we have seen. Bulbs are two-inch and up in diameter. We can supply in separate colors in the following shades: Each, 65c; doz., \$6.50,

Dark Red  
Light Red  
Salmon

Rose  
Red with Light Stripes  
Light Shades

**Mixed.** Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2½-3 in. Dia. ....	\$0.45	\$4.50	\$30.00
3-3½ in. Dia. ....	.55	5.50	40.00
3½ in. and up Dia. ....	.65	6.50	50.00

**JOHNSONII.** Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each, 35c; doz., \$3.50; 100, \$25.00.



OXALIS (GRAND DUCHESS)



ORNITHOGALUM (Thrysoides Flora Plena)

## Ornithogalum

**AUREUM.** Of a rich apricot orange, this is perhaps the finest of ornithogalums. The flower stems are usually over a foot; with most of the upper half covered with flowers. Its ease of culture, and the lasting qualities of the flowers make it an ideal cut flower. Flowering Size Bulbs: Each 20c; doz., \$2.00; 100, \$13.00.

**THYSOIDES FLORA PLENA.** The flower has the keeping quality of the single and the appearance of a double Tuberose, with no strong odor. Three for 45c; doz., \$1.25; 100, \$8.00.

**ARABICUM.** Star of Bethlehem. Throws up a tall stem with a cluster of star-shaped flowers; pure white with dark centers. Excellent for cutting, lasting a long time in water. These bulb flowers are very hardy in the South and other mild climates, but they should be given protection when planted outdoors in the North. Culture in the house is about the same as for Hyacinths. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

## SNOWDROPS (Galanthus)

**BYZANTINUS.** The finest Giant Single Snowdrop blooming very early, and producing large, handsome, globular flowers. A very free bloomer, very valuable for indoor culture, for it will flower in January. Doz., 85c; 100, \$6.00; 1,000, \$55.00.





# Miscellaneous Bulbs



## ALLIUM

Perfectly hardy, easily grown, and well adapted to rock gardens or to plant with other small bulbs. Thrive in almost any soil in sunny situations. Plant bulbs two inches and cover with leaves the first season.

**Acuminatum.** An interesting Allium from Southern Oregon. 8 in. stems and heads of purplish red flowers. Doz., 90c; 100, \$6.50; 1000, \$50.00.

**Cernuum True, The Nodding Onion.** Has a rhizome-like root and quickly makes colonies with many 6 to 10 in. flowering stems and nodding clusters of little bell-like very soft pink flowers. Likes light shade and moisture. Doz., \$1.75; 100, \$12.00.

## ANEMONE (Windflower)

They succeed best in light, rich, well-drained loam. Plant in early October, or as soon as the ground can be worked in the spring. If planted in the autumn they should be covered with leaves, straw or long manure on the approach of winter. Plant very shallow.

**His Excellency.** Large, bright red, semi-double, showing a black center and suggesting a red poppy. Doz., 75c; 100, \$5.00; 1000, \$45.00.

**Blue Poppy.** Large single poppy-like flowers in varying shades of blue. Doz., 75c; 100, \$5.00; 1000, \$45.00.

**De Caen.** A real selected strain. This mixture contains many fine shades of blue, white and reds. Mixed, Doz., 65c; 100, \$4.50; 1000, \$40.00.

**St. Brigid.** Flowers range from the deepest crimson to the purest white, embracing cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., 80c; 100, \$5.50; 1000, \$50.00.

## BRODIAEAS

**Coccinea.** The Floral Firecracker, has stems rising to 2 feet, while the flowers are a vivid crimson tipped with pea-green. The resemblance to a bunch of firecrackers catches the eye at once. A group of these bulbs in a mass of ferns or light-foliaged plants is striking, and they do very well potted. They prefer a loose soil, and preferably gritty. Each, 20c; doz., \$1.75; 100, \$12.00.

**Capitata.** California Hyacinths. The stem is slender, capped with a head of violet-blue flowers. They revel in hot, dry places among rocks or in grit, and flower very early. Doz., 65c; 100, \$4.50; 1000, \$40.00.

**Ixioides Splendens** is popularly known as **Golden Star.** The finest yellow. Doz., 75c; 100, \$5.00; 1000, \$45.00.

## CALOCHORTUS

### True Mariposa, or Butterfly Tulips

Cup-shaped flowers, one to many on a stem, marked with eyes and dots and pencilings in rich colors, yet each strain carrying out its own color scheme.

**El Dorado.** The plants of this strain grow from 1 to 2 feet high and branch. The flowers vary through white, lilac to purple and again through shades of pink to deep claret-red. They thrive best in porous soil, sandy or gritty, either in sun or light shade. Flowers are 2 to 4 inches in diameter.

**Venus Citrinus.** A most satisfactory hardy species with deep rich yellow flowers with a black eye. Most excellent.

Either of above: Doz., 80c; 100, \$5.50; 1000, \$50.00.

The very first flowers of spring are the minor bulbs, snowdrops, scillas, chionodoxas, crocuses, which come before narcissi. On these pages will be found many other interesting garden treasures, including those fine subjects for rock gardens, erythroniums, brodiaeas and camassias.



SPRING FLOWERING CROCUS

## SPRING-FLOWERING CROCUS

One of the earliest flowers to open in Spring, the Crocus, makes an effective show when planted in masses or arranged in groups in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. The large-flowering named varieties are ornamental when flowered in pots, six or eight bulbs in 5-inch size. Will not flower in too much heat. Plant 1 inch deep.

**Baron Von Bruno.** Deep purple.

**General Gordon.** Purple.

**Julia Culp.** Late flowering large purple.

**Kathleen Parlow.** Pure white, extra large.

**King of Whites.** Large flowered, extra fine.

**Maximilian.** Splendid sky blue.

**Mont Blanc.** Pure white.

**Pallas.** White, striped light lilac, one of the best.

**Purpurea Grandiflora.** Dark purple.

**Sir Walter Scott.** White and purple.

**Select Yellow.** Golden yellow.

Any of the above: Doz., 50c; 100, \$3.00; 1000, \$25.00.

**Mammoth Yellow.** Largest flowered Golden Yellow.

Doz., 60c; 100, \$3.50; 1000, \$30.00.

**Mixed Blue and Purple Varieties.**

**Mixed Striped Varieties.**

**Mixed White Varieties.** Large Yellow.

Doz., 35c; 100, \$1.85; 1000, \$16.00.

**CROCUS—Vaughan's Special Mixture Giant-Flowered.** Doz., 40c; 100, \$2.50; 1000, \$22.50.

**CROCUS—Regular Holland Mixed.** Doz., 25c; 100, \$1.60; 1000, \$13.00.

## CHIONODOXA (Glory of the Snow)

One of our loveliest Spring flowers, when established its sheets of blue in very early Spring are a great attraction in borders, dotted over bulb beds, or massed on rock-work.

**Lucillae.** Bright blue with large clear white center. Doz., 35c; 100, \$2.50; 1000, \$20.00.

**Sardensis.** Intense deep blue. Doz., 35c; 100, \$2.50; 1000, \$20.00.

## CAMASSIA

Camassias are attractive garden plants with which the average amateur is not familiar, but which can be grown readily enough in any garden, and which may be associated particularly well with tulips. The bulbs should be planted at this season. They should go four inches underground, and be spaced about five inches apart. A little clump of camassias blooming in May will add much to the beauty of the garden, and will certainly prove a novelty. The flowers are starlike in appearance, and borne on long spikes, the colors being lavender, purple or white. The purple species, called *Camassia Esculenta*, is particularly good.

**Leichtlini.** A California species, comes in deep blue and white. Either color, each, 10c; doz., \$1.00; 100, \$7.00.

**Esculenta.** Light blue flowers borne gracefully erect. The hyacinth-like blooms are pure in color, and will thrive almost anywhere. Height, 18 inches to 2 feet. Each, 10c; doz., 60c; 100, \$4.00; 1000, \$35.00.

## DOG TOOTH VIOLETS (Erythroniums)

If they had no other beauty than that of their richly mottled leaves, they would be well worth a place in the shady corner. Their flowers are 3 inches across, with stems 6 to 18 inches high. The colors run in delicate tints of white, pink, cream, bright yellow and rose. They are hardy in the coldest parts of the United States, and while they are at their best in a loose, gritty soil, rich in leaf mold, they also thrive in the greatest variety of clays, grits and rocky soils. In woodlands, in shaded corners, or in the crevices of rockwork in shade, is the place to naturalize them.

**Americanum.** It produces in April, small, lily-like flowers, which vary through white, pink, bright yellow, rose, and cream. The beauty of the flowers is greatly enhanced by the richly mottled leaves. They like a light, rather moist, well-drained soil. The bulbs should be planted about 5 inches deep. Doz., 75c; 100, \$5.00; 1000, \$45.00.

**Californicum** has large cream-colored flowers. Leaves richly mottled. Easy to grow, and a large colony is a beautiful sight. Doz., 80c; 100, \$5.00; 1000, \$50.00.

**Citrinum** is rather more erect in habit, with flowers almost pure white with strongly contrasting deep citron on lower third. One of the loveliest of all. Doz., 80c; 100, \$5.50; 1000, \$50.00.

**Grandiflorum Robustum** is a superb species with flowers of the brightest buttercup yellow. The leaves have no mottling—just plain green. It always attracts attention. Doz., \$1.00; 100, \$7.00; 1000, \$65.00.

**Hartweggii** is as pretty as *Californicum*, with more yellow in the flower, and each flower on a separate stalk. Very early and stands much heat. Good for pots. Large bulbs. Doz., 80c; 100, \$5.50; 1000, \$50.00.

**Hendersonii.** Like *Californicum*, but the flowers are a lovely light purple, with centers a deep maroon, almost black. Most striking. Doz., 80c; 100, \$5.50; 1000, \$50.00.

**Mixed, All Sorts.** Doz., 75c; 100, \$5.00; 1000, \$45.00.





# Miscellaneous Bulbs



**ERYTHRONIUM HENDERSONII**

## ERANTHIS HYEMALIS (Winter Aconite)

Early in Spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green cushion of leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. Height 8 inches.

Doz., 50c; 100, \$3.00; 1,000, \$25.00.

## FRITILLARIA

**RECURVA** (Mission Bells). A beautiful woodland plant from Southern California. 1½ to 2 feet, and producing dainty orange scarlet flowers. They prefer partial shade and a loose soil.

Each, 20c; doz., \$1.60; 100, \$11.00.

**MELEAGRIS**. Singular dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors: yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable and exceedingly pretty when grown in large groups in the garden border or wild dry situation.

Doz., 50c; 100, \$3.00; 1,000, \$25.00.

**IMPERIALIS** (The Crown Imperial) is a stately hardy border-plant, very effective in Spring when grouped in woodlands wild gardens, orchards. Bell-shaped flowers, orange, red and checkered. Plant 12 inches deep, in well drained location.

Each, 35c; doz., \$3.50; 100, \$25.00.

## GRAPE HYACINTHS (Muscari)

Muscari, or Grape Hyacinths, are a race of spring-flowering bulbous plants which have long been grown in British gardens. They are not showy when only a few are seen together, but a drift of them presents a picture of considerable beauty, especially if growing in grass, for which purpose they are well adapted. The species also look charming in clumps in the rock garden or border, and the Feather Hyacinth (*M. plumosum*), in particular, may be employed, with great gain, in pots in the cold greenhouse. In fact, pot culture gives this Grape Hyacinth such delicate and uncommon coloring, that it might well be grown anywhere under glass. All are very accommodating in their requirements, but prefer a good loam with a little old manure dug into it, and, in the case of the Feather Hyacinth alluded to, a rather warmer position. The bulbs should be planted during autumn at a depth of about three inches and about two inches apart.

**Blue**. Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Doz., 35c; 100, \$2.50; 1,000, \$20.00.

**Pure White**. This is a beautiful companion to the above, and they make a striking show when planted together. Doz., 50c; 100, \$3.00; 1,000, \$25.00.

**Heavenly Blue**. The best blue. Doz., 35c; 100, \$2.50; 1,000, \$20.00.

**PLUMOSUM**. Bearing in May handsome feathery plumes of violet colored flowers, very attractive. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

## Collections of Early Bulbs

### Flowering Before the Narcissi

**\$1.** 12 Snowdrops, 6 Scillas, 6 Chionodoxas, 6 Crocuses, and 6 Muscari; prepaid.

**\$2.** 24 Snowdrops, 12 Scillas, 12 Chionodoxas, 12 Muscari, 12 Crocuses; prepaid.

**\$5.** 50 Snowdrops, 25 Scillas, 50 Chionodoxas, 50 Crocuses, 18 Spring Snowflakes; prepaid.

## IXIAS

The Ixia colors are rich, the center always differing in color from the petals. Very desirable for pots. If planted outside be sure to cover with straw or leaves. **Named Varieties.** Doz., 50c; 100, \$3.00; 1,000, \$25.00.

**Mixed.** Doz., 35c; 100, \$2.50; 1,000, \$20.00.

## RANUNCULUS (Buttercup)

Plant in November for early spring bloom in frames. Set 3 or 4 inches apart, pressing firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers four inches under the surface. Water them well.

**Golden Glory.** Bright yellow. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

**Bonnie Lassie.** Pinks. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

**Sunset.** Orange, terra cotta. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

**Huntsman.** Bright red. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

**French Mixed.** Doz., 50c, 100, \$3.50; 1,000, \$30.00.

**Victoria Hybrid Mixed.** Far superior of any Ranunculus that we know. Flowers are double and large. Doz., 65c; 100, \$4.50; 1,000, \$40.00.

## RESURRECTION LILY

(*Amaryllis Hallii*) (*Lycoris Squamigera*)  
For Outdoor Planting

Produces in early spring attractive green foliage which grows until May when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

**Culture**—As the bulb is perfectly hardy without any protection it can be planted either in the fall or spring, but we consider fall best. Cover the crown about four inches. Each, 75c; doz., \$7.50.



**SPRING SNOWFLAKES**

## SPRING SNOWFLAKE (*Leucojum Vernum*)

A favorite little early spring flower having drooping, bell-shaped flowers, white, with small brown tips. Once planted in a favorable environment, they come up every spring, bearing more flowers each time. Excellent for rock gardens and naturalizing.

Doz., 80c; 100, \$5.50; 1,000, \$50.00.



**SNOWDROP BYZANTINUS**

## SNOWDROPS (*Galanthus*)

Snowdrops flower while Tulips are just sprouting, and when the flowers are over, there remains a ground-work of green foliage.

**Single.** (Largest Bulbs.) Doz., 50c; 100, \$3.00; 1,000, \$25.00.

**Double.** (Largest Bulbs.) Doz., 65c; 100, \$4.50; 1,000, \$40.00.

**Byzantinus.** The finest Giant Single Snowdrop blooming very early, and producing large, handsome, globular flowers. A very free bloomer, very valuable for indoor culture, for it will flower in January. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

## SPIRAEA (Astilbe) Ready November

Beautiful, hardy garden subjects, attractive, not only for their gayly colored, feathery plumes, but also for their glaucous foliage. June and July flowering.

**White Varieties.** Each, 55c; doz., \$5.50; 100, \$40.00.

**Pink Varieties.** Each, 55c; doz., \$5.50; 100, \$40.00.

## SCILLAS (Squills)

As edgings and masses in beds and borders, Scillas are most valuable. They succeed in shady flower borders and bare shady places and odd corners.

**SCILLA SPRING BEAUTY.** Spring Beauty is a giant by comparison with the ordinary Siberica, very free blooming and ideal for growing in pans or pots. Brought into a 50 to 55 deg. house after being well rooted, it flowers within two weeks, the glorious blue spikes having stems 6 to 8 in. long. Each, 15c; doz., \$1.20; 100, \$8.00.

**SIBERICA (The Blue Squill).** Bright blue, nothing more beautiful for edgings or pots in early Spring, flowering with the Snowdrop. Height, 4 inches. **Mammoth Bulbs.** Doz., 50c; 100, \$3.50; 1,000, \$30.00.

**Siberica Alba.** A white sport of Siberica Blue. Identical in form and easy blooming qualities. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

**CAMPANULATA (Clear Blue).** Very erect in habit (15 inches). Doz., 45c; 100, \$3.00; 1,000, \$25.00.

**Alba.** Pure white (12 in.). Doz., 45c; 100, \$3.00; 1,000, \$25.00.

**Rosea.** Fine rose (15 in.). Doz., 45c; 100, \$3.00; 1,000, \$25.00.

**NUTANS Blue.** The true English blue-bell. In its native habitat it abounds in woodlands literally carpeting the ground. Gracefully arching stem carrying many violet blue flowers, opening after most other Scillas are gone. Very hardy. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

**NUTANS Alba.** Pure white companion to the above, with long arching stem. Beautiful when naturalized in copses, shady walks, etc. Also prized for cutting. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

**SCILLA PERUVIANA Clusi.** The Cuban Lily, flowers deep blue in large spreading umbels. Blooms early summer on stems about 12 inches high. Each, 20c; doz., \$2.00; 100, \$15.00.

## SPARAXIS, Mixed

Graceful spikes 6 to 8 inches high; flowers of the brightest colors, tigered, streaked and flushed—a riot of color. Excellent for indoor winter flowering—about 12 bulbs to a 6-inch pot. Do not plant outdoors in cold sections. In cool localities, give winter protection. For southern gardens, especially in rockeries, Sparaxis are indispensable.

Doz., 65c; 100, \$4.50; 1,000, \$40.00.





# Daffodils or Narcissi



## 12 Daffodils for Naturalizing, 85c

12 Bulbs, 85c; 100 Bulbs \$5.50; 1,000 Bulbs, \$50.00, Prepaid.

**DAFFODILS** are the first major flowers to bloom in the spring. By nature they are informal flowers, and look best when grown in drifts, in the shrubbery or under trees. They like to nestle among the roots of shrubs, and as they bloom before the leaves develop, they thrive in places which later in the season are well shaded. Our naturalizing mixture is an exceptional value, containing many of the best named Trumpet, Leedsii, Star and Poeticus varieties. Plant them and do not disturb until they crowd; the bulbs may then be lifted and replanted over a much larger area. A purchase of bulbs is an investment which will pay in bloom for a lifetime.

Write for Special Prices on 10,000 Bulbs or More.

### Trumpet

**Aerolite** A golden giant with flowers beautifully proportioned, perianth deep primrose, with a pure medium yellow trumpet left in bold relief by outer petals, an inch and a half wide; medium early, but one of the longest lasting of all daffodils either in the garden or after being cut. Each, 20c; doz., \$1.75; 100, \$11.25.

**★Emperor** A magnificent sort. The entire flower is a rich yellow trumpet of immense size and petals so broad that they overlap. Each, 15c; doz., \$1.20; 100, \$8.00.

**★King Alfred** "The King of Yellow Daffodils." Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Double Nose Bulbs. Each, 20c; doz., \$1.85; 100, \$12.00. First size Bulbs, Each, 15c; doz., \$1.45; 100, \$9.50.

**Lovenest** The trumpet of saffron yellow turning apricot pink, giving a distinct pink tone to the flower, making a beautiful color blend entirely new to the daffodil race. This variety is one of the daintiest of all trumpets, medium in height. Very early. Each, 75c; doz., \$7.50.

**★Mrs. E. H. Krelage** Broad, white perianth; long, creamy white trumpet. A beautiful white Daffodil. Each, 20c; doz., \$1.85; 100, \$12.00.

**Mrs. R. O. Backhouse** This is the famous "pink daffodil"; fine informal perianth of ivory white, and beautifully proportioned, slim long trumpet of apricot pink, changing to shell pink at the deeply fringed edge; delicately beautiful but of exceptional substance; long lasting; early. Full sun bleaches out color. Each, \$1.50; Doz., \$15.00.



BERNARDINO (Incomparabilis)

**Olympia** A giant flower rivaling Van Waverens in size; sulphur-yellow perianth, handsome yellow frilled trumpet. Each, 15c; doz., \$1.50; 100, \$10.00.

**★Spring Glory** A very early showy bicolor daffodil with large white perianth, broad and spreading, trumpet large and handsome, bright yellow with open frilled mouth. Each, 15c; doz., \$1.20; 100, \$8.00. (Illustrated on Back Cover.)

**★Tresserve** A flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring 2½ inches across. Height, 17 in.; a fine exhibition variety. Each, 15c; doz., \$1.30; 100, \$8.75. (Illustrated on Back Cover.)

**★Van Waveren's Giant** A giant trumpet daffodil; flowers of immense size, perianth primrose and of rather campanulate form, trumpet bright yellow with very large open mouth, flanged at brim. Ht., 18 in. Fine for bedding or for making bold clumps in the flower border. Each, 25c; doz., \$2.30; 100, \$14.00.

**★Warwick** Another of the striking King Alfred seedlings outstanding in every way and very early; refined stem and neck bearing a star-shaped perianth of great substance; golden yellow, with trumpet a shade deeper in color. Each, 25c; doz., \$2.05; 100, \$13.00.



WARWICK (Trumpet)



NARCISSI NATURALIZED IN THE WOODLAND

**DAFFODILS** are the first of the major garden flowers to blossom in the spring. This makes them doubly precious, as heralds of a season of joy, after the long winter.

Great advancement has been made in breeding new varieties, many of which we offer this year.

### Culture of the Daffodil

The daffodil tribe likes a cool root run and its flowers are at their best in the cooler days of spring. Therefore it is essential to dig the soil deeply and provide humus. Like the tulip, the daffodil will not thrive if there is fresh manure in the soil and bone meal alone should be used as a fertilizer when the bulb is planted. It likes a moist soil but it must have excellent drainage. The bone meal should be mixed in the soil below the bulb and if the soil is heavy, a cushion of sand is advisable.

### Where to Plant Them

Daffodils are particularly fine subjects to plant under the edge of bushes or among perennials in the hardy border as they seem to like to nestle among the roots of their neighbors. A clump of golden trumpets peeping from beneath the overhanging branches of Spiraea Van Houttei or nestling in a sheltered angle of a building are one of the gladdest sights of early spring.

A few bulbs can be tucked into odd corners all about the garden and they will repay mightily when the first sunny days of spring bring their sturdy shoots breaking through the earth.

Daffodils and narcissus need not be moved for several years if they are flourishing, in fact not until the clump becomes so large that it is evident it needs to be divided and they should be replanted at once.

### Types of Daffodils Defined

The Royal Horticultural Society of England divides the narcissus family into eleven sections and these with subdivisions to make it possible to classify the hundreds of new varieties appearing each year. As now accepted the important garden classes are as follows:

1, Trumpet, with trumpet as long as perianth segment; 2, Incomparabilis, cup not less than one-third but less than equal to perianth segment; 3, Barri, cup less than one-third perianth segment; 4, Leedsii, perianth white and cup white, cream or citron, of sizes found in Barri and Incomparabilis; 5, Tazetta and Tazetta hybrids, including bunch-flowered and poetaz types; 6, Poeticus varieties.





# Daffodils or Narcissi



## Incomparabilis

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

★**Bernardino** Perianth creamy white, cup yellow edged orange, very free-flowering. Each, 15c; doz., \$1.15; 100, \$7.50.

★**Croesus** Universally popular both for the garden and for exhibition; light canary-yellow perianth of perfect form, with outer petals nearly touching, the inner ones overlapping, opening flat; broad fluted cup of rich orange to base; substantial, free-flowering. Each, 15c; doz., \$1.25; 100, \$8.50. (Illustrated on Back Cover.)

★**John Evelyn** D deservedly an international favorite; outstanding among the new Incomparabilis hybrids; flatly opening perianth, 4 to 5 inches across, with a flat cup nearly 2 inches in diameter, densely frilled, the perianth being pure white, without trace of shading, and the cup lemon yellow and fluted or shirred to the base. Each, 25c; doz., \$2.30; 100, \$14.00.

★**Sir Watkin** A well-known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large, rich, golden trumpet. Each, 15c; doz., \$1.05; 100, \$7.00.

★**Will Scarlet** Medium-sized flower of informal habit; reflexed perianth, petals often slightly curled; good cup of yellow ochre with flaming orange-scarlet edge; fine for the rock garden. Each, 15c; doz., \$1.40; 100, \$9.00.

★**Yellow Poppy** Well-formed flowers with overlapping primrose-yellow perianth and expanded shallow cup, bright yellow, edged orange, height 20 inches. Excellent. Each, 15c; doz., \$1.45; 100, \$9.50.



DIANA KASNER (Barrii)

## Barrii

Thanks to the brilliant contrast effects due to color in the cup, the Barrii type is contributing many improved varieties to the daffodil list and it is here that further progress may be expected. The flowers have a character and grace which make them charming either for cutting or garden display.

★**Conspicuous** A flower of exquisite beauty, unexcelled for cutting; large, broad-spreading perianth; broad, short cup, conspicuously edged bright orange-scarlet. Lasts long in water. Each, 10c; doz., \$1.00; 100, \$6.50.

★**Diana Kasner** A pure white perianth and a large fluted yellow cup with blood-red frill, very free-flowering and an excellent forcer. We consider this variety as one of the most valuable introductions and cannot recommend it too highly for show purposes. Each, 15c; doz., \$1.25; 100, \$8.50. (Illustrated on Back Cover.)

★**Early Surprise** A little beauty; semi-dwarf habit of growth; pure white perianth with orange colored cup, fine for naturalizing and the earliest for forcing of this type. Each, 10c; doz., \$1.00; 100, \$7.00.

★**Firetail** D deservedly popular the world over; broad petalled creamy-white perianth and large orange cup with scarlet-orange frill. Each, 30c; doz., \$2.55; 100, \$17.00.

★**Lady Moore** Pure white perianth; yellow cup with orange frill; substantial flower remaining in good condition even where many other varieties "burn"; late, but an excellent forcer. Each, 15c; doz., \$1.50; 100, \$10.00.

★**Mrs. Barclay** Large flower with flat, reflexed, broad petaled overlapping perianth of pale primrose, changing to pure white; deeply frilled flat cup of primrose-yellow, with dainty orange picotee. Each, 25c; doz., \$2.05; 100, \$13.00.

★**Mrs. Walter Brewster** Fine, reflexed perianth of pure white; flat cup, lemon yellow, edged with oxblood-red. Each, 25c; doz., \$2.05; 100, \$13.00.

★**Sunrise** Pure star-shaped white perianth, with distinct golden rays extending up each petal from the base of the cup; small cup of clear yellow-orange. Each, 15c; doz., \$1.25; 100, \$8.50.

★**Niobe** Perfectly formed, flat-opening broad petaled perianth of creamy white; flat eye, edged intense red-orange; the unopened bud droops prettily. Each, 25c; doz., \$2.05; 100, \$13.00.

★**Red Beacon** A lovely flower which immediately attracts one by its brilliantly colored cup; the perianth is ivory-white, broad and of great substance, slightly shaded sulphur at base, cup prettily fluted and of the most intense fiery orange-red, shading down to golden-orange; ht., 15 in. Each, 20c; doz., \$1.75; 100, \$11.00.

★**Seagull** Large broad petaled perianth, slightly reflexed pure white, giving an effect suggestive of the name as the flowers seem to float above the foliage; cup light yellow, with red picotee edge; free-flowering; extremely tall; late, fine for naturalizing. Each, 10c; doz., 90c; 100, \$6.00.



SILVER STAR (Leedsii)

## Leedsii

Have white perianths with white or sulphur trumpets. Most beautiful class for cutting.

★**Evangeline** A tall dancing daffodil with reflexed, star-shaped, white perianth and lemon yellow cup; fine for naturalizing. Each, 15c; doz., \$1.40; 100, \$9.00.

★**Hera** Broad-petalled creamy white perianth, star-shaped and deeply frilled cup of creamy white with a dainty edging of light primrose. Each, 15c; doz., \$1.50; 100, \$10.00.

★**Lord Kitchener** Broad, flat, pure white perianth, very pale primrose crown. Each, 15c; doz., \$1.50; 100, \$10.00.

★**Queen of The North** Strong flower with broad white perianth, lemon cup prettily fluted. Each, 15c; doz., \$1.20; 100, \$8.00.

★**Silver Star** Perfect broad-petalled star-shaped perianth of pure cream-white, with finely proportioned, wide mouthed trumpet of primrose, changing to cream white, just a shade deeper than the perianth; extra fine, and very free-flowering. Each, 20c; doz., \$2.00; 100, \$13.00. (Illustrated on Back Cover.)



ALBA PLENA ADORATA (Double)

## Jonquils

Jonquils are graceful, sweet-scented flowers which thrive well in a moist, shady position in borders. Flowers are arranged on the stem in a cluster.

★**Jonquilla Simplex** The true single sweet jonquil, of light elegant growth, bearing out of doors in May clusters of numerous small rich yellow flowers of delicious scent. Each, 10c; doz., 95c; 100, \$6.00.

★**Jonquilla Flore-Pleno** The old double sweet jonquil, produces in May little heads of rich yellow double flowers, very fragrant and attractive for cutting. Each 15c; doz., \$1.40; 100, \$9.00.

★**Golden Sceptre** A medium-sized perfectly built flower of deep Jonquil-yellow, 3 inches or more in diameter. The whole flower, as with the others in this class, is of the greatest substance, keeping in perfect condition exceptionally long both in the garden and when cut. Each, 10c; doz., \$1.00; 100, \$7.00. (Illustrated on Back Cover.)

## Double Varieties

★**Alba Plena Odorata** The well-known double white, scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late-flowering, and will not force. Each, 10c; doz., \$1.00; 100, \$7.00.

★**Argent** Nicely built flower of white and canary yellow; attractively formed, resembling a carnation, a cross between Von Sion and Poeticus Ornatus. Each, 15c; doz., \$1.25; 100, \$8.50.

★**Indian Chief** Very large and very double, bright yellow interspersed with orange; the petals curled and twisted. Each, 20c; doz., \$2.00; 100, \$13.00.

★**The Pearl** Creamy white, interspersed with sulphur yellow, deeper at center; charming. Each, 15c; doz., \$1.25; 100, \$8.50.

★**Twink** It is double, of the semi-full type, the petals alternating a soft primrose and clear orange, and so arranged as to give the flower a most attractive appearance, and making it a most adaptable flower for large scale decorative work; is very free-flowering and hardy. It is a splendid show flower. Each, 25c; doz., \$2.40; 100, \$15.00. (Illustrated on Back Cover.)

★**Von Sion** Pure golden yellow, full double. Good forcing variety. Each, 15c; doz., \$1.15; 100, \$7.50.

## Poetaz

Crossing of Poeticus and Polyanthus varieties produced this perfectly hardy strain of bunch-flowering Narcissus. Do well planted in pots for winter flowers.

★**Cheerfulness** The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. Each, 15c; doz., \$1.25; 100, \$8.50.

★**Laurens Koster** Perianth white, cup light orange-yellow. Each, 15c; doz., \$1.40; 100, \$9.00.

★**Orange Cup** Yellow perianth, cup orange red nicely frilled. Each, 15c; doz., \$1.50; 100, \$10.00.





POETICUS

DAFFODILS—Continued

## Poeticus

The pure white perianth and all-red or picoteed cup, and delicious perfume, peculiar to itself, makes this one of the most popular of all Narcissi.

**Glory of Lisse** Snow white, well imbricated perianth bright red margined eye. Each, 10c; doz., 85c; 100, \$6.00. (Illustrated on Back Cover.)

**Horace** Large star shaped perianth, gleaming white broad petals with flat eye, yellow edged red. Each, 10c; doz., \$1.00; 100, \$7.00.

**★Ornatus Maximus** A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier. Each, 10c; doz., 1.00; 100, \$7.00.

**Poeticus (Common Pheasant's Eye)** The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Each, 10c, doz. 90c; 100, \$6.00.

## Miniature Daffodils

The following are charming little subjects for rock work, where their dainty flowers are seen to perfection. They should be left undisturbed for years, and if happy will soon establish themselves and afford a lovely picture in early spring. All the Bulbocodium like moisture, and should therefore be planted at the foot of the rockery. When coming into bloom give water freely. *Triandrus albus* (Angel's Tears) delight in partial shade, gritty soil, and well-drained position.

**Bulbocodium Conspicuous** Yellow Hoop Petticoat, flowers rich golden-yellow and rush-like foliage, height 6 inches. Each, 10c; doz., \$1.00; 100, \$7.00.

**Pearly Queen** Triandrus hybrid, 2 or 3 flowers to a stem; star-shaped cream-white perianth, with clear lemon-yellow short trumpet; distinct pearly sheen provides the name; drooping habit; free flowering and a strong grower. Each, 20c; doz., \$2.00; 100, \$13.00.

**Triandrus Agnes Harvey** A beautiful chalice-cupped hybrid, perianth snow-white, cup pure white sometimes flushed a soft apricot, one to three blooms on a stem, slightly drooping, height 13 inches. Each, 30c; doz., \$2.75; 100, \$20.00.

**Triandrus Albus** An exquisitely beautiful little species, produces a cluster of elegant creamy white little flowers with globular cup and perianth reflexing, height 7 inches. Each, 15c; doz., \$1.50; 100, \$10.00.

## Cyclamineus Hybrids

Cyclamineus blood like that of *Triandrus*, imparts a distinct form to its hybrids, which have perianths reflexed as in a cyclamen.

**February Gold** Perianth golden yellow, trumpet fringed orange; very early. Each, 35c; doz., \$3.25; 100, \$22.00.

# Hardy Bulbous Iris You Can Grow in the Garden

**A**DMIRERS of the iris will find this group to be valuable additions to their collections. Flowering in late June and early July, they follow the bearded and Siberian irises, prolonging the display and producing flowers of a distinct type and quality of coloring. The colors are clear and brilliant, and the petals are delicate, but of excellent substance. They make quality cut flowers, lasting fully a week in water.

The Dutch iris have displaced the Spanish iris, from which they were developed. Both they and the English iris are successfully grown in localities which have sub-zero temperatures in the winter. In the cold winter states they should have the protection of a heavy mulch, applied after the ground has frozen and should be planted in a location where spring growth is not unduly stimulated, so they will not get a premature start, and suffer injury from belated frosts.

Bulbs should be dug each year after foliage has turned brown. They should be cured quickly in a dry location, and only the largest bulbs should be replanted for flowering. The smaller bulbs can be grown in a nursery row until they reach flowering size. The increase is rapid and bulbs which are not lifted will crowd and stop flowering.

## ENGLISH IRIS

These magnificent bulbous Irises thrive in any ordinary garden soil but prefer a good loam. The earlier the planting, after beginning of September, the greater the success; the bulbs should be planted 4 inches deep. The varieties we have especially selected as being the very finest and most distinct in cultivation, and they will be found as strikingly beautiful in color as many of the sumptuous orchids. They flower from end of June to beginning of July thus succeeding the Bearded Flag Irises, Early Xiphium and Spanish Irises. As cut flowers they take a first place.

**KING OF THE BLUES.** Dark blue.

**LAMARTINE.** White, carmine rosy flakes.

**LUCINDA.** Porcelain blue, blue flakes.

**PRINCE ALBERT.** Delicate silvery blue.

**PRINCESS IRENE.** Very large snow white.

**PROCEPINE.** Deep ruby, dark flakes.

**QUEEN OF THE BLUES.** Light blue.

**THE GIANT.** Rich deep blue.

Each, 15c; doz., \$1.30; 100, \$9.00.

Mixed Colors: Each, 10c; doz., 95c; 100, \$6.50.

## IRIS TINGITANA WEDGEWOOD

For indoor use and protected plantings only. A seedling of the old favorite *Tingitana* that is just as early, but a much more reliable bloomer. The small cultivator will do better to plant his bulbs, six or eight according to size, in a seven- or eight-inch pot, rather than in ordinary shallow boxes. Not only are bulbous irises deep rooting but they are very sensitive to root injury. If after boxing, they are stood on the ground or on ash-covered beds and root through at the bottom, it is hindered to one that half of them will come blind if the boxes are disturbed. In deep pots the roots are less likely to root through at the bottom, and treated rightly in other ways, they will flower 100 per cent. They must be kept cool, 45 degrees or so, until the buds are out of the neck. A great cut flower. Light blue in color. 8-9 ctns. for outdoor planting. Doz., 60c; 100, \$4.00; 1000, \$35.00. 10 ctns. up for indoor growing, doz., \$1.30; 100, \$9.00; 1000, \$85.00.



DUTCH IRIS

## DUTCH IRIS

They resemble the Spanish Iris, but their habit of growth is more vigorous, the flowers larger, with conspicuous orange blotches on the wide falls. Buds open at least two weeks before the Spanish Iris, and immediately after the last of the May flowering tulips are gone. Through untiring years of hybridization, they not only surpass the Spanish Iris in size and sturdiness of growth, but also in brilliancy of color.

**ADRIAN BACKER.** A beautiful, large flowering novelty of uniform lilac purple.

**A. BLOEMAARD.** Standards dark purplish blue, falls lighter blue, very large flower, early.

**CELESTIAL.** Late Blue.

**D. HARING.** Flower large, standards white, tinged lavender. Falls creamy white, with conspicuous golden blotch. Very beautiful. Height, 30 inches. Received Award of Merit, Royal Horticultural Society, 1923.

**EARLY SNOW.** Tall early white.

**FILIFOLIA IMPERATOR.** One of the most popular florist's varieties. The flowers are large, dark blue, brilliant orange blotch. Very showy, strong grower, highly recommended. Mulch well the first year. Height 27 inches.

**J. W. DE WILDE.** Rich golden yellow; handsome. Height, 26 inches.

**LEONARDO DA VINCI.** Lemon yellow standards, yellow falls with rich golden blotch. Beautiful. Height, 25 inches.

**POGGENBEECK.** Brilliant dark blue.

**WHITE EXCELSIOR.** Large beautiful flowers of pure white.

**YELLOW QUEEN.** Uniform pure yellow. Excellent variety.

Any of the above varieties: Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Mixed. Doz., 50c; 100 \$3.50; 1,000, \$30.00.

## IRIS RETICULATA

Fragrant Iris—Hardy with Protection

**RETICULATA.** This lovely species is one of the treasures of the garden or rock garden. It can best be described as a small form of the Spanish or Dutch Iris. Its main value lies in the fact that it may be forced into bloom in the house with the greatest ease. Six or eight bulbs put into a 4 or 5-inch pot when received will bloom about Christmas time. The fragrant blossoms remind one of a bunch of fresh violets. Perfectly hardy with reasonable protection. It is one of the loveliest early flowering bulbs for the rockery. To show it off well, plant a number of bulbs under the white *Arabis Alpina*; you'll enjoy the results more than we can tell you. Each, 15c; doz., \$1.30; 100, \$9.00.





# The Hardy Lilies



LILIUM AURATUM PLATYPHYLLUM

Many imported lily bulbs arrive in this country very late in the fall. Note carefully the arrival dates stated below. If freezing threatens before your bulbs arrive, cover the soil with a heavy mulch to keep it soft.

LILIES are so beautiful, so fragrant, we are likely to think them too fine for the amateur to grow. But many are hardy, thrifty flowers, capable of surviving conditions which would overcome flowers much less beautiful. Grow them in the border in small groups, with background, where their beauty has a suitable setting for its display. They blossom, as a rule, in midsummer, when fine flowers are at a premium.

## Lilies Arrive from Japan in November

Most Lily Bulbs, being of late maturity, are not ready before October and late November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or straw so the bulbs may be planted on arrival.

**Outdoor Culture**—When planting lilies out-of-doors, see that they have a well drained position, and where they will be shaded from very hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Never mix manure in the soil around lilies, but enrich with a standard commercial plant food or with bone meal. Many varieties are termed "stemrooters," that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top-dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies. Plant the bulbs 4 to 6 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

**Indoor Culture**—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top-dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on

top of the bench in full light. An occasional application of liquid cow manure, starting about six weeks before flowering time, will stimulate the plant wonderfully. Thorough rooting is essential.

## Lilium Amabile

Ready in October

The flowers are comparatively large and reflexed. Grenadine-spotted with brown blotches. 3-4 ft. July flowering. Stock limited, flowering size. Each, 50c; doz., \$5.00; 100, \$35.00, prepaid.

## Lilium Auratum

Ready Late November. Bulbs supplied by us are treated with special disinfectant which prevents decay.

**The Gold-Banded Lily of Japan**—The most beautiful variety of all the lily family—should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. When grown in the open, prefers a position where it is somewhat shaded for part of the day, preferably during the afternoon. The position should be well drained and set up rotting. loamy soil to a depth of 2 feet, and the bulbs planted with their base 7 inches from the surface, a little clean sand being placed beneath and around each bulb. When the buds are commencing to spread from the stem a light stimulant may be applied at intervals of 10 days if the weather is dry, and a light mulch placed over their roots. After flowering, but not until the leaves begin to yellow, the old flower-stems may be bent over at half their height. It is more satisfactory than cutting them off, as this treatment leaves a funnel-like stem to carry water into the heart of the plant and set up rotting. During the winter months the bulbs require no attention whatever. *L. auratum* and its forms are really woodland Lilies, and there is no better place in which to grow them than a thin wood composed of summer-leaving trees; such conditions should be copied as far as possible when a site is being chosen in the garden. They do, nevertheless, succeed in beds and borders where their station has been well prepared.

First Size (8 to 9 in.), each, 20c; doz., \$2.00; 100, \$15.00.

Mammoth (9 to 11 in.), each, 35c; doz., \$3.50; 100, \$25.00.

Jumbo (11 to 13 in.), each, 50c; doz., \$5.00; 100, \$35.00.

## Lilium Auratum Platyphyllum

(An Improved Auratum) Ready Late November

This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to *Auratum*, heavily spotted, but much larger.

First Size (8 to 9 inch), each, 30c; doz., \$3.00; 100, \$20.00.

Mammoth, (9 to 11 inch), each, 45c; doz., \$4.50; 100, \$30.00.

Jumbo (11-13 inch), each, 55c; doz., \$5.50; 100, \$40.00.

## Lilium Batemanniae

Ready November

One of the most beautiful of all lilies, its clear apricot coloring being so attractive it draws instant attention. The flowers are three to four inches in diameter, opening in August. Very hardy and easy of culture, three to four feet tall. Each, 20c; per doz., \$2.00; 100, \$15.00.

## Lilium Browni Odorum

Ready November

Massive, trumpet shaped flowers, deliciously fragrant. They open pale yellow and fade quickly to a pure, creamy white color. The outside of the trumpets is bronze. Easy to grow if good drainage is provided. Height, 2½ to 3½ ft. Each, 50c; per doz., \$5.00.

## Lilium Canadense

(Meadow Lily)—Ready October

The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing. Height, 3 to 5 ft.

Canadense Mixed—Each, 20c; dozen, \$1.75; 100, \$12.00.

## Lilium Cernum

Ready November

The lilac colored *Tenuifolium* lily. A very sturdy, hardy lily of very easy culture and rare beauty. Nodding, recurved petals, on stems up to four feet tall but usually two and one-half to three feet.

Each, 25c; per doz., \$2.50; 100, \$18.00.





# The Hardy Lilies



## Lilium Candidum

(The Madonna Lily) Now Ready

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders should, therefore, be mailed on receipt of this Catalogue.

We handle only the thick petaled type which is imported from Northern France.

18-20 CENTIMETERS (7-8 inch circumference). Each, 20c; dozen, \$2.00; 100, \$15.00.

20-22 CENTIMETERS (8-9 inch circumference). Each, 25c; dozen, \$2.50; 100, \$18.00.

22-24 CENTIMETERS (9-9½ inch circumference). Each, 30c; dozen, \$3.00; 100, \$20.00.

24-26 CENTIMETERS (9½-10½ inch circumference). Each, 35c; dozen \$3.50; 100, \$25.00.

26 CENTIMETERS and over (10½-12 inch circumference). Each, 50c; dozen, \$5.00; 100, \$38.00.

28 CENTIMETERS and up (12-inch circumference and up), Each, 60c; dozen, \$6.00; 100, \$45.00.

## Lilium Concolor

Ready October

A very pretty Chinese lily, especially adapted to use in rockeries. Flowers are upright, starlike in form, deep vermilion. Blooms in July, 6 to 18 inches high. Plant four inches deep. Perfectly hardy in the most northern sections of the United States.

Each, 20c; dozen \$2.00; 100 \$15.00.

## Lilium Hansonii

Ready November

The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 35c; dozen, \$3.50; 100, \$25.00.

## Lilium Elegans

(Lilium Thunbergianum)—Ready November

A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. The cup-shaped flowers range through the reds and yellows. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock-gardens.

**Elegans, Alice Wilson.** Upright flowers of bright lemon-yellow, very bright and showy in June. Plant shallow in light soil in full sun. Each, 30c; doz., \$3.00; 100, \$20.00.

**Elegans Atrosanguineum.** The flowers are dark blood-red with purple dots. Each, 25c; dozen, \$2.50; 100, \$18.00.

**Mixed.** Each, 20c; dozen, \$2.00; 100, \$15.00.

**Easter Lily—See Longiflorum Giganteum.**

## Lilium Henryi

Ready November

(Illustrated in Color on Cover F.)

A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage.

8 to 9 inch. Each, 20c; doz., \$2.00; 100, \$15.00.

9 to 11 inch. Each, 30c; doz., \$3.00; 100, \$20.00.

## Lilium Japonicum

(Formerly Lilium Krameri)—Ready November

The flowers, a lovely shade of pale pink, are tubular, being held in a horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots which are kept in the cellar during the winter. Plant five inches deep, in a light, peaty soil which must be well drained.

Each, 30c; dozen, \$3.00; 100, \$20.00.

## Lilium Longiflorum Giganteum

Easter Lily—Not Hardy—Ready October

This is the lily commonly grown for Easter blooming. The larger bulbs produce more blooms.

**Small bulbs** 7-9 inches in circumference. Each, 20c; dozen, \$1.75; 100, \$12.00.

**Medium bulbs** 8-10 inches in circumference. Each, 25c; dozen, \$2.25; 100, \$17.00.

**Mammoth bulbs** 9-10 inches in circumference. Each, 30c; dozen, \$3.00; 100, \$20.00.

**Jumbo bulbs** 10-12 in. in circumference. Each, 45c; doz., \$4.50; 100, \$35.00.

**Extra Jumbo** 11-13 in. Each, 60c; dozen, \$6.00; 100, \$45.00.

## Lilium Longiflorum

(Outdoor Easter Lily)—Ready November

Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature during the winter. Each, 25c; doz., \$2.50; 100, \$18.00.

## Lilium Pardalinum—Ready October

**(Leopard or Panther Lily)**—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. Ten to thirty flowers on a 5-6 foot stem. Each, 25c; doz., \$2.50; 100, \$18.00.

## Lilium Philadelphicum—Ready October

**(Wild Red Lily)**—The flowers are three to four inches in diameter, produced one to five on a stem, one to three feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple, with red anthers. Blooms during June and early July.

Each, 20c; doz., \$2.00; 100, \$15.00.

## Lilium Phillipinense Formosanum

Ready in Late October

A refined and graceful Lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to a height of 2-3 feet, are very robust and offer great resistance to wind and weather. It is hardy, very fragrant and one of the loveliest of the new varieties. Each, 20c; doz., \$2.00; 100, \$15.00.





# The Hardy Lilies



## Lilium Regale—Ready October

(Illustrated in Color on Cover Page F.)

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance.

First Size, 6-7 in. in circumference. Each, 15c; doz., \$1.50; 100, \$10.00.

Select Size, 7-8 in. in circumference. Each, 20c; doz., \$2.00; 100, \$15.00.

Mammoth Size, 8-9 in. in circumference. Each, 25c; doz., \$2.50; 100, \$18.00.

Jumbo Size, 9-10 in. in circumference. Each, 35c; doz., \$3.50; 100, \$22.50.

Extra Jumbo 10-11 in. Each, 50c; dozen, \$5.00; 100, \$35.00.

## Lilium Speciosum Rubrum (Magnificum)

(The Lance-Leaved Lily)—Ready November

(Illustrated in Color on Cover Page F.)

The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late Aug. and early Sept. bloomer. Plant the bulbs eight to ten inches deep.

Our bulbs are treated with a special disinfectant which prevents decay.

First Size, (8-9), each, 25c; dozen, \$2.50; 100, \$18.00.

Mammoth Size (9-11), each, 35c; dozen, \$3.50; 100, \$25.00.

Jumbo Size (11-13), each 45c; dozen, \$4.50; 100, \$32.00.

## Lilium Sulphureum

Ready October

Large, fragrant, funnel-shaped flowers, pale sulphur-yellow deepening at the throat, and tinged outside with claret-red. 2-3 flowers on a stem, but when established and well cultivated it will bear 6 or more flowers. Height 5-6 feet. Late August flowering. Plant 10 inches deep in sandy, lime-free loam with a liberal addition of decayed leaf-mould. Must have good drainage and should be given a covering of straw or leaves the first season of planting.

5-6 inch: Each, 75c; Doz., \$7.50. 6-7 inch: Each, \$1.00; Doz., \$10.00.

## Sunset Lily

Ready October

Because of its ease of culture, rapidity of increase and its extreme hardness, the new Sunset Lily is certain to achieve widespread favor. Height 5-6 ft. with 10 or more flowers to the stalk. This lily is bright red in color, the central portion being a bright yellow with dark spots. Stems are straight and strong with no tendency to droop. Not particular as to soil, it will thrive in full sun or partial shade, and while it appreciates good drainage, a liberal amount of water during the growing season pays good dividends in larger blossoms and greater height. July flowering.

Large bulbs, each, 35c; doz., \$3.50.

## Lilium Superbum—Ready October

(Illustrated in Color on Cover Page F.)

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from ten to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. This lily requires an acid condition and should be planted at least 8 inches deep. Height, 3-8 feet. Each, 20c; dozen, \$2.00; 100, \$15.00.



LILIAM JAPONICUM

## Lilium Umbellatum

(Subspecies of Davuricum)—Ready October

This group of lilies is of hybrid origin, resulting in crosses of the frail Lilium Davuricum (an Asiatic lily), with the European species, Croceum, and Bulbiferum. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Mixed. Each, 25c; doz., \$2.50; 100, \$18.00.

## Lily of the Valley—Ready October

**Large Clumps**—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors; they give a quicker and better effect at less cost. Each, 50c; dozen, \$5.00; postpaid.

## Lilium Willmottiae—Ready October

A beautiful and rather rare lily from China. Well grown specimens often carry more than twenty brilliant orange-red flowers, three inches across. The entire plant has a slender, graceful appearance, but still is very sturdy. The flowers are covered with very fine dots.

Each, 45c; doz., \$4.50.



LILIAM CANADENSE



LILIAM ELEGANS

## Lilium Speciosum Album—Ready November

A pure white form of Lilium Rubrum.

First Size (8-9), each, 35c; dozen, \$3.50; 100, \$25.00.

Mammoth Size (9-11), each, 50c; dozen, \$5.00; 100, \$35.00.

## Lilium Tenuifolium—Ready October

(Illustrated in Color on Cover Page F.)

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 15c; dozen, \$1.50; 100, \$10.00.

## Lilium Tenuifolium Golden Gleam

Ready October

A very fine robust and floriferous Hybrid of this type bearing numerous flowers of a pure apricot-yellow. Plant about 7 inches deep. June flowering. Each, 30c; Doz., \$3.00; 100, \$20.00.

## Lilium Testaceum

(The Nankeen Lily, Excelsum, Isabellum)—Ready November

A cross of the Madonna lily with the scarlet turks-cap, Chalcedonicum. It grows as high as six feet, the basal leaves are large, diminishing in size toward the top as in the Candidum. There are three to ten flowers, three to four inches across. They are nodding, with reflexed, waxy, glistening petals, rounded at the tips, and of a creamy peach color popularly known as Nankeen yellow. The anthers are a reddish orange, a delightful contrast against the cream of the flower. It blooms at the same time as the Madonna lily.

Large Size, Each, \$1.50; Doz., \$15.00.

Medium Size, Each, \$1.00; Doz., \$10.00.

## Lilium Tigrinum Splendens—Ready October

(Illustrated in Color on Cover Page F.)

(Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems.

Each, 20c; dozen, \$2.00; 100, \$15.00.

## Lilium Tigrinum Flore Pleno—Ready October

(Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens. Each, 20c; dozen, \$2.00; 100, \$15.00.



LILIAM HANSONI



# Hardy Perennial Plants for Fall Planting

**H**ARDY perennials may be set out this fall in time to become well established before winter sets in; and next year will see them better developed, and bearing finer flowers than can be obtained from plants set in your border next spring.

This advantage is accompanied with very little extra risk. We do not list the kinds which need special protection through the winter. It is always well to apply a mulch over newly planted perennials, after the ground has frozen. This will tend to prevent winter thaws and frost heaving. Plants should not be placed where water

stands, as excessive dampness in the winter causes rot during mild spells.

All plants are F. O. B., Chicago.

Plants are shipped with their roots well wrapped; and as packages must go by parcel post or express, it is impossible to make prices which cover postage, and are fair alike to all customers. So all prices in our plant list are F. O. B. Chicago, and if it is desired to have them sent by mail, postage should be added at zone rates. If sent by express, they go collect, at customer's expense.



**AQUILEGIA**—Mrs. Scott Elliott's Strain.

## ACHILLEA (Milfoil, Yarrow)

Achilleas are useful for cutting.

**Crimson Beauty.** 2 ft. A great improvement over *Millefolium* Kelwayi. Dark rose, free flowering. 3 for 85c; doz., \$2.50.

**Perry's White.** 2 ft. June-Aug. White. 3 for 85c; doz., \$2.50.

## ANCHUSA

× **Myosotidiflora.** 1 ft. A Russian species, bears in April a profusion of pretty pale blue Forget-Me-Not flowers. 3 for 85c; doz., \$2.50.

## AQUILEGIA (Columbine)

× **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc., and are the result of very many years careful hybridization. 3 for 85c; doz., \$2.50.

## ASTER (Michaelmas Daisy)

Masses and clouds of dainty and brightly colored blossoms throughout the autumn months.

**Amethyst.** 3 ft. Dark lavender blue. 3 for 85c; doz., \$2.50.

**Charles Wilson.** Brilliant red flowers of good size, 3 feet. 3 for \$1.00; doz., \$3.50.

**Climax.** 5 ft. Large, pyramidal spikes of large, light lavender-blue flowers, gold centers. Sept.-Oct. 3 for 85c; doz., \$2.50.

**Red Rover.** 3-4 ft. Sept. Deep rosy red with golden center. 3 for 85c; doz., \$2.50.

**Skylands Queen.** 3 ft. Immense pale blue flowers, bright yellow centers. 3 for \$1.00; doz., \$3.50.

**Snowdrift.** 3 ft. Pure white. 3 for 85c; doz., \$2.50.

**Star of Eisenach (Wartburg Star).** May. A new giant flowered subcoruleus type, Lavender-blue Daisies with yellow centers. 3 for \$1.25; doz., \$4.00.

## NEW DWARF ASTERS

These are barely one foot tall, bushy, compact plants, smothered with bloom in Sept. and October.

× **Countess of Dudley.** Clear pink, yellow center.

× **Nancy.** Pale flesh pink.

× **Victor.** Very dwarf, pale lavender.

× **Snowsprite.** Very dwarf dense white bloom. Each, 40c; 3 for \$1.00; doz., \$3.50.

## CAMPANULA (Bell-flower)

A most important family for the flower garden.

× **Carpatica (Harebell).** 9 in. June to Aug. Forms tufts of neat foliage. Splendid for edging. Likes partial shade. 3 for 85c; doz., \$2.50.

× **Alba.** 9 in. July. Pure white. 3 for 85c; doz., \$2.50.

**Glomerata Superba (Clustered Bellflower).** Beautiful dark violet flowers. June-July. 20 in. Pkt., 25c; 3 for 85c; doz., \$2.50.

**Persicifolia Coerulea (Peachleaf Bell-flower).** 2-3 ft. Blue. 3 for 85c; doz., \$2.50.

## COREOPSIS (Tickseed)

One of the most popular hardy plants.

**Double Flowering (Grandiflora Fl. Pl. Special Selection).** A well fixed double and semi-double strain. 3 for \$1.00; doz., \$3.50.

**Lanceolata Grandiflora.** June-Oct. Yellow. 2 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

## DAISY (Shasta)

**Alaska.** 2 ft. Large white flowers. Fine for cutting. 3 for 65c; doz., \$2.00.

**Hartje and Elder.** 2 ft. The first Shasta Daisy to bloom. 3 for 85c; doz., \$2.50.

**Supreme.** Outstanding variety. Low, bushy foliage, strong, medium height stems with large flowers. 3 for \$1.00; doz., \$3.50.

## DIANTHUS BARBATUS

**Vaughan's Special Mixture. Sweet William.** Varied and unique coloring and markings. 3 for 65c; doz., \$2.00; 100, \$12.00.

## DIANTHUS (Hardy Garden Pink)

**Plumarius. Vaughan's Special Mixture.** May-Oct. 15 in. 3 for 65c; doz., \$2.00.

## Relative Prices Are as follows:

Plants		3 supplied for Each	
priced at	{	2.00	per dozen {
	{	2.50	..... \$0.65
	{	3.50	..... .85
	{	5.00	..... 1.00
	{		..... 1.50
	{		..... .65

6 plants of a variety at the dozen rate.

## Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

## Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants.

## Plants for Rock Gardens

The sign X is placed before varieties especially suited for use in rock gardens.

## WORLD'S BEST DELPHINIUMS

**New Pacific Hybrids. (Vetterle and Reinelt.)** Have been pronounced by competent judges to be the finest in the world.

**Giant Blues.** Individual flowers are two inches in diameter, spikes 2½ to 5 ft. in length, branching habit of growth. Each, 50c; 3 for \$1.50; doz., \$5.00.

**White.** The largest flowers and longest flowering spikes seen in any white strain. Each, 50c; 3 for \$1.50; doz., \$5.00.



Individual Floret of *Delphinium Pacific Hybrids*. ½ natural size.

For seeds of named varieties of Pacific Hybrids, see page 27.

**Belladonna.** Sky-blue. June-Aug. 3 ft. 3 for 85c; doz., \$2.50.

**Bellamosum Improved.** Deep blue with white bee. 3 ft. 3 for 85c; doz., \$2.50.

**Blackmore and Langdon Strain.** All the clear shades of blue with delightful opaline variations. 3 for \$1.00; doz., \$3.50.

**Wrexham Hollyhock-flowered Strain.** Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. 3 for \$1.25; doz., \$4.00.

## DICTAMNUS (Gas Plant)

**Fraxinella.** 3 ft. May-June. Large spikes of deep pink purple-veined flowers. 3 for 85c; doz., \$2.50.

**Albus.** 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. 3 for 85c; doz., \$2.50.

## DICENTRA (Dielytra)

### (Bleeding Heart or Seal Flower)

**Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Especially valuable for planting in the shade. 3 for \$1.25; doz., \$4.00.

## EREMURUS (Foxtail Lily)

Tall stately spikes of bloom in May. Very effective for background. Quite rare and distinct.

**Himalicus.** 5 ft. Cream white. Each, \$1.50.

**Himrob.** 6 ft. Pale pink. Each, \$1.50.

**Bungei.** 5 ft. Golden yellow. Each, \$1.00.

## GAILLARDIA (Blanket Flower)

Gaillardias are fine cut flowers. Bloom all summer.

**Grandiflora Mixed.** June-Oct. Mixed. 1½ ft. 3 for 65c; doz., \$2.00.

**Burgundy.** Shining wine red. 2 ft. 3 for 85c; doz., \$2.50.

**Sun God.** The first yellow gaillardia. Pure chamomile yellow, long stiff stems. A distinct new introduction. 3 for \$1.50; doz., \$5.00.

**GRAVE MYRTLE.** 3 for 65c; doz., \$2.00; 100, \$10.00.



**GYPSOPHILA (Baby's Breath)**

**Paniculata.** July-Aug. White. 2-3 ft. 3 for 65c; doz., \$2.00.

**Paniculata Bristol Fairy (Double Baby's Breath).** Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. Each, 65c; 3 for \$1.50; doz., \$5.00.

× **Bodgeri.** 2 ft. Blooms very double and large enough for cut flowers. 3 for \$1.00; doz., \$3.50.

**Rosenschleier (Rosy Veil).** A dwarf double pink variety giving two crops of bloom. Each, 35c; 3 for \$1.00; doz., \$3.50.

**HEMEROCALLIS (Yellow Day Lily)****New Hemerocallis Hybrids**

Hybridizers like Dr. Stout, B. H. Farr, C. Betscher, Amos Perry, George Yeld and others, have created wonderful new Hemerocallis of rare beauty, rich coloring and extreme hardiness.

**Bay State.** 4 ft. Late June. Brilliant glistening deep yellow. Each, 35c.

**Cinnabar.** July-August. Light bronzy red, suffused gold. Each, 75c.

**Hyperion.** July-August. Large citron yellow. Outstanding. Each, 75c.

**Lemona.** 4½ ft. Early July. Large pale lemon-yellow. Each, 35c.

**Margaret Perry.** July. Scarlet orange. Center of petals yellow. Each, \$1.50.

**Mikado.** June. Large deep orange with maroon transverse blotches on three petals. Each, \$1.50.

**Mrs. W. H. Wyman.** 4 ft. Early August. Lovely lemon-yellow. Each, 35c.

**Ophir.** 4 ft. July. Giant golden yellow. Each, 75c.

**Sir Michael Foster.** 4 ft. June-July. Trumpets of clear yellow, fragrant. Each, 35c.

**Vesta.** 2½ ft. July. Large deep orange flowers, gold sheen. Each, \$1.00.

**OLDER VARIETIES**

**Aureole.** 3 ft. May. Deep orange, bronze reverse.

**Dr. Regal.** 1½ ft. Rich orange-yellow. May and June.

**Fulva Kwanso Fl. Pl.** 3 ft. July-August. Orange shaded crimson, double.

**Sovereign.** 2 ft. May-June. Soft chrome-yellow shaded brown on the outside, fragrant.

**Thunbergi.** 3 ft. July. Fragrant golden yellow.

Prices, Older Varieties, 3 for 65c; doz., \$2.00.

**HEUCHERA (Coralbells)**

**Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. 3 for \$1.00; doz., \$3.50.

**HOSTA (Funkia or Day Lily)**

Attractive plants with broad overlapping leaves of various markings. Dainty lily-like flowers. 1½-2 ft. Effective in any shady position.

**Coerulea (Lanceolata).** 1 ft. Dark blue. 3 for 85c; doz., \$2.50.

**Japonica Aurea Marginata.** 1 ft. Aug. Mauve. 3 for 85c; doz., \$2.50.

**Subcordata Grandiflora.** Flowers white, large green leaves. 3 for \$1.00; doz., \$3.50.

**Variegata.** Good edging plant. Leaves white and green. 3 for \$1.00; doz., \$3.50.

**LIATRIS (Kansas Gay Feather)**

**Pyncnostachya.** 4 to 5 ft. Flowers purple in spikes, which bloom a long time. July-Aug. 3 for 85c; doz., \$2.50.

**MERTENSIA (Blue Bells)**

A lovely plant for the shade.

× **Virginica.** May-June. Light blue. 18 in. 3 for 65c; doz., \$2.00; 100, \$10.00.

**MYOSOTIS (Forget-me-not)**

× **Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. 3 for 85c; doz., \$2.50; 100, \$15.00.

**PAPAVER (Oriental Poppy)**

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants.

**Beauty of Livermore.** 3 ft. Crimson with dark blotch, stout stems. 50c; 3 for \$1.25; doz., \$4.00.

**Jeannie Mawson.** 2½ ft. Charming geranium pink, large flowers on stiff stems. 35c; 3 for \$1.00; doz., \$3.50.

**Joyce.** 4 ft. A tall cherry red poppy of medium size to glorify the spring border. 35c; 3 for \$1.00; doz., \$3.50.

**Mrs. Perry.** The best known pink poppy. Delicate salmon-rose with black blotches. 35c; 3 for \$1.00; doz., \$3.50.

**Olympia.** Double rich scarlet. A striking introduction. Very free blooming, flowers come ten days before other varieties. 50c; 3 for \$1.50; doz., \$5.00.

**Royal Scarlet.** Old fashioned scarlet Oriental Poppy. 30c; 3 for 85c; doz., \$2.50.

**Africa.** Carmine red with darker eye. Large trusses. 3 for \$1.00; doz., \$3.50.

# Hardy Phlox

**Augusta.** U. S. Plant Patent No. 252. Brilliant cherry red. Each, 50c; doz., \$4.50.

**B. Comte.** Wine purple of satiny sheen. 3 for \$1.00; doz., \$3.50.

**Border Queen.** Dwarf with massive heads of watermelon pink. 3 for \$1.50; doz., \$5.00.

**Brilliant.** Blood red. 3 for \$1.00; doz., \$3.50.

**Champs Elysee.** Dark purple. 3 for 85c; doz., \$2.50.

**Columbia.** Patented. Cameo pink, faint blue shading at center. 3 for \$1.10; doz., \$3.30.

**Daily Sketch.** New. Big trusses, salmon pink with crimson eye. 3 for \$1.50; doz., \$5.00.

**E. I. Farrington.** New. Large trusses of delightful salmon shade with lighter eye. 3 for \$1.50; doz., \$5.00.

**Emain Macha.** New. Dark flaming red. 3 for \$1.50; doz., \$5.00.

**Enchantress.** Bright salmon pink with lighter center. 3 for \$1.00; doz., \$3.50.

**Europa.** Large white florets with faint red center. 3 for 85c; doz., \$2.50.

**Feuerbrand (Fireglow).** Bright scarlet, tall with large heads. 3 for \$1.25; doz., \$4.00.

**Flora Reidy.** Pure white. 3 for 85c; doz., \$2.50.

**Goliath.** Bright carmine flowers, shaded light purple. 3 for 85c; doz., \$2.50.

**Graf Zeppelin.** Paper white flowers with vermilion red eye. 3 for \$1.00; doz., \$3.50.

**Leo Schlageter.** New. Outstanding vivid scarlet or flame red. Good foliage, large blooms. 3 for \$1.50; doz., \$5.00.

**Mrs. Milly Von Hoboken.** Bright pink, faint mauve suffusion. 3 for \$1.00; doz., \$3.50.

**Miss Lingard (Sulfruticosa).** Pure white; the earliest of all. Blooms, good for cut flowers. 3 for 85c; doz., \$2.50.

**Painted Lady.** Pale pink with dark red eye. An outstanding variety. 3 for 85c; doz., \$2.50.

**Rheinlander.** A rare shade of salmon pink intensified by a claret red eye. 3 for 85c; doz., \$2.50.

**Thor.** A splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 85c; doz., \$2.50.

**Von Hochberg.** Large size blood red blooms. 3 for \$1.50; doz., \$5.00.

**Mixed.** 1-year field-grown plants of a choice mixture of colors. Un-named varieties. Our selection. 3 for 65c; doz., \$2.00; 100, \$12.00.

**Dwarf and Alpine Phlox**

× **Amoena (Lovely Phlox).** Charming native variety, bright pink flowers, 6 in. April-May. 3 for 85c; doz., \$2.50.

× **Divaricata Canadensis.** Blooms early in April, with large, fragrant, lavender flowers on stems 10 inches high. 3 for 65c; doz., \$2.00; 100, \$12.00.

× **Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May; height 4 in. 3 for 65c; doz., \$2.00; 100, \$12.00.

× **Subulata Atro-Purpurea.** 4 in. A new variety. Dwarf compact foliage, dark purple-red flowers in May. 3 for \$1.00; doz., \$3.50.

**PHLOX COLUMBIA****HARDY DWARF PHLOX—Continued**

× **Subulata Brittoni.** Valuable California species, for hot dry locations. Starry white flowers, compact foliage. 3 for \$1.00; doz., \$3.50.

× **Subulata Lilacena.** Moss-like foliage, pale lilac blooms in May. 3 for 65c; doz., \$2.00; 100, \$12.00.

× **Subulata Mrs. G. F. Wilson.** Compact growth, heavy bloomer. Lavender pink flowers in May and in the fall. 3 for 85c; doz., \$2.50.

**Subulata Pink Cushion.** New. More compact, more free flowering and a clearer pink than Rosea. 3 for \$1.00; doz., \$3.50.

**Subulata Rosea.** Same as above, but dainty pink flowers. 3 for 65c; doz., \$2.00; 100, \$12.00.

**PLATYCODON (Chinese Bell Flower)**

They flower from June to September.

**Grandiflorum.** 1-2 ft. Large, handsome, deep blue flowers. 3 for 65c; doz., \$2.00.

**PRIMULA (Primrose)**

Blossoming in April and May, along shady paths.

× **Veris, Mixed.** 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in umbels. 3 for 85c; doz., \$2.50.

× **Veris Kleynii.** Heavy stems. Carrying immense heads. Rich golden yellow shaded apricot towards center. 3 for \$1.00; doz., \$3.50.

**PYRETHRUM (Painted Daisy)**

**Roseum, Single Mixed.** June. 1½-2 ft. 3 for 65c; doz., \$2.00.

**James Kelway.** Blood-red. 3 for 85c; doz., \$2.50.

**Uliginosum.** 4 ft. A hardy white daisy flowering in September. 3 for 85c; doz., \$2.50.

**RANUNCULUS (Buttercup)**

**Acris Fl. Pl. (Double Buttercup).** May-June. Yellow. 3 for 85c; doz., \$2.50.

**SALVIA (Sage)**

**Azurea Grandiflora (Meadow Sage).** Sept.-Oct. Deep blue. 4 ft. 3 for 65c; doz., \$2.00.

**SCABIOSA (Pincushion)**

Long blooming hardy perennial, much prized for cut flowers, tidy and compact in growth.

**Caucasica.** 18 in. Light lavender blue flowers on long stems. June to Oct. 3 for 85c; doz., \$2.50.

**SEDUM**

× **Acre (Golden Moss).** 3 in. May-June. Bright yellow.

× **Album.** 3 in. Waxy foliage, white flowers. July.

× **Sexangular (Hexagon Stone Crop).** Dark green foliage, yellow flowers. May-June.

× **Sieboldii.** 4 in. Round succulent, glaucous foliage; pink flowers. August. 3 for 85c; doz., \$2.50.

× **Spectabile, Brilliant.** June-July. Deep rose. 18 in.

× **Spurium.** Pink flowers. 4 in.

Price all Sedums, except as noted, 3 for 65c; doz., \$2.00; 100, \$12.00.

**TRILLIUM (Wake Robin)**

**Grandiflorum.** 12 in. Beautiful native spring-flowering perennials. White flowers with three petal-like segments. For naturalizing in moist shaded places. 3 for 50c; doz., \$1.50; 100, \$10.00.

**TROLLIUS (Globe Flower)**

Globe flowers of bright orange or yellow, and finely cut leaves, make this a desirable subject.

**Ledebouri.** 2 ft. Orange flowers. 3 for \$1.00; doz., \$3.50.

**Golden Queen.** 3 to 4 ft. Large flowers of intense orange color, in autumn as well as early summer. 3 for \$1.50; doz., \$5.00; 100, \$35.00.

**New Hybrids.** 2-3 ft. May-July. Grown from selected seed of the best named varieties. 3 for \$1.25; doz., \$4.00.

**VERONICA (Speedwell)**

**Spicata.** Blue. 2 ft. July-August. Small spikes of rich blue flowers. 3 for 65c; doz., \$2.00.

**Spicata Rosea.** 1 ft. Pure pink. 3 for 85c.

**VINCA MINOR (Grave Myrtle)**

Valuable for a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. 3 for 65c; doz., \$2.00; 100, \$10.00.

**VIOLET**

× **Florence.** Hardy single white, faint lavender markings. Fragrant, long stemmed blooms. 3 for 85c; doz., \$2.50.

× **Prince of Wales.** Hardy violet, grows anywhere. Large single fragrant purple blooms. 3 for 85c; doz., \$2.50.

× **Rosina.** New. This charming variety has an abundance of very fragrant, rose pink flowers. It also blooms more freely in Autumn than other varieties. Extremely hardy. 3 for \$1.00; doz., \$3.50.



# Annual Flower Seeds for Fall Sowing

WHEN you sow seeds of annuals in Fall, you imitate Nature's method. Practically all hardy annuals will produce stronger, sturdier plants with earlier bloom by this method. Even when spring sowing is desirable, experienced gardeners also sow in fall because they then have a continuous season of bloom. Also, they can sow at their leisure instead of trying to plant everything in a few short weeks. Do not be in too much of a hurry to sow. The ideal time is just before the ground freezes for the winter. November 15th is early enough in normal seasons in the vicinity of Chicago and New York. If the ground has been prepared in advance, sowings can also be made during winter thaws.

A fine seed bed is desirable. No covering of any kind is needed unless there is danger of washing or from birds, in which case a light, loose covering of evergreen boughs can be used. Plant at half the depth used when sowing seed in spring. Broadcast all small seed. South of the Mason-Dixie line, sowing should be delayed until the late February and early March thaws.

Pansies and Violas must be sown as early as September 1st, but should then be protected with straw or glass sash during the winter.



FALL-SOWN ANNUAL FLOWERS BLOSSOMING IN SEED-BED AT  
VAUGHAN'S NURSERY

- 171 *Adonis Autumnalis* (Red Chamomile). 2 ft. Finely divided foliage, flowers rich scarlet. Pkt., 10c.
- 230 *Agrostemma Coeli Rosa* (Rose of Heaven). A good cut flower. Pkt., 10c; ¼ oz., 25c.
- 255 *Alyssum*. Vaughan's Little Gem. Snow-white carpet plant. Pkt., 10c; ¼ oz., 25c.
- 310 *Anchusa Capensis* (Summer Forget-me-not). Flowers beautiful blue. Pkt., 10c; ½ oz., 15c.
- 425 *Antirrhinum*. (Snapdragon). Vaughan's Special Mixture. Pkt., 15c; ½ oz., 25c.
- 1190 *Calendula*. Orange King. Showy double orange flowers. Pkt., 10c; ¼ oz., 25c.
- 1245 *Calliopsis*. Vaughan's Special Mixture. Graceful cut flower. Pkt., 10c; ¼ oz., 30c.
- 1260 *Candytuft*. Giant Hyacinth-Flowered White. Large bold spikes. Pkt., 10c; ¼ oz., 25c.

## CENTAUREA GIANT BACHELORS BUTTONS VAUGHAN'S SUPER-DOUBLE

- 1506 *Blue Boy*. The true corn-flower blue.
- 1509 *Snowman*. Pure white.
- 1507 *Pinkie*. Lovely true pink.
- 1508 *Red Boy*. Deep glowing red.  
Each Pkt., 15c  
One packet each, 4 varieties, 50c

- 1522 *Centaurea Cyanus*. Vaughan's Special Super Double Mixed. Pkt., 25c; ½ oz., 40c; ¾ oz., 75c.
- 1700 *Chrysanthemum*. Vaughan's Special. Double and Single Mixed. Pkt., 10c; ¼ oz., 25c.
- 1870 *Collinsia*. Mixed. 18 in. Brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt., 10c.
- 1950 *Cosmos*. Early Flowering Mammoth Mixed. For cutting and borders. Pkt., 10c; ¼ oz., 20c.
- 2015 *Cynoglossum Amabile* (Chinese Forget-Me-Not). 18 to 24 in. A lovely plant producing large sprays of brilliant blue Forget-Me-Not like flowers. Pkt., 10c; ¼ oz., 25c.
- 2305 *Dianthus Pinks*. Vaughan's Special Double and Single Mixture. Pkt., 10c; ½ oz., 30c.
- 2415 *Escholtzia*. California Poppy. Vaughan's Special Mixture. Pkt., 10c; ¼ oz., 30c.
- 2435 *Euphorbia Variegata* (Snow on the Mountain). For mixed bouquets. Pkt., 10c; ¼ oz., 25c.
- 2532 *Gilia Capitata* (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Pkt., 10c; ¼ oz., 25c.

- 2587 *Godetia*. Many Sorts and Colors Mixed. An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil. Pkt., 10c; ¼ oz., 25c.

- 2680 *Gypsophila Elegans Grandiflora Alba*. London Market strain (Angel's Breath). Use for graceful effect with cut flowers. Pkt., 10c; ½ oz., 20c.

- 2860 *Hunemannia Fumariaefolia*. (Bush Escholtzia.) Golden yellow. Pkt., 10c; ¼ oz., 25c.

- Larkspur Giant Imperial* (Base Branching). These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 *Blue Bell*. A fine medium blue.
- 2152 *Carmine King*. Deep carmine rose.
- 2153 *Daintiness*. Delicate lavender.
- 2155 *Exquisite Pink Improved*. Soft pink.
- 2168 *White Spire*. Dazzling pure white.
- 2159 *Giant Imperial Mixed*. The above and others.
- Price, any of the above: Pkt., 15c; ¼ oz., 40c; oz., \$1.40.

- 2170 *Larkspur*. Vaughan's Special Annual Mixture. Pkt., 10c; ¼ oz., 30c.

- 3039 *Linaria* (Baby Snaps), *Fairy Bouquet*. Compact growth, eight inches tall, and with extra large flowers of a great variety of distinct colors. Pkt., 15c; ½ oz., 30c.

- 3019 *Linum Grandiflorum Coeruleum* (Blue Flax). Pkt., 10c.

- 3105 *Lupinus*. Tall annual mixed. Pkt., 10c.

- 3212 *Matthiola Bicornis*. Evening Scented Stock. Fragrant lilac flowers. Pkt., 10c; 1 oz., 30c.

- 3260 *Mignonette*. Mixed. Pkt., 10c; ½ oz., 25c.

- 3390 *Nicotiana Affinis* (Sweet-scented Tobacco plant). White. Pkt., 10c; ½ oz., 25c.

- 3393 *Nicotiana*. Crimson Bedder. A new dwarf strain, about 15 in. high, admirably suited for bedding purposes. The flowers are of rich deep crimson, freely produced, and make a striking effect. Pkt., 15c.

- 3420 *Nigella*. Miss Jekyll (Love-in-the-Mist). A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, fine feathery foliage. Pkt., 10c; ¼ oz., 15c.

Pansies, see page 27.

- 4018 *Petunia*. Rose of Heaven. Brilliant rose with inconspicuous white throat. Pkt., 10c; ½ oz., 35c.

- 3995 *Petunia*. Single. Small Flowering. Fine Mixed. ½ oz., 25c; pkt., 10c.

- 4101 *Phacelia Campanularia*. (California Blue Bells.) Pkt., 10c; ½ oz., 25c.

- 4370 *Poppy*. Vaughan's Special Shirley Mixed. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Pkt., 10c; ½ oz., 25c.

- 4310 *Poppy*. Vaughan's Special Double and Single mixed. Pkt., 10c; ½ oz., 25c.

- 4691 *Saponaria Vaccaria Rose*. The light graceful sprays of glistening pink flowers. Pkt., 10c.

- 4740 *Scabiosa*. Vaughan's Special Mixed. Pkt., 10c; ¼ oz., 25c.

- 5635 *Tahoka Daisy*. A beautiful lavender-blue Daisy with fernlike foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

- 5813 *Viola Cornuta*. Vaughan's Special Mixture. Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.

- 5815 *Virginia Stocks*. Mixed. 6 in. These pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors producing a charming effect. Pkt., 10c; ½ oz., 15c.

- 5778 *Viscaria*. Mixed. Produces freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. Pkt., 10c; ¼ oz., 25c.

## Seeds of Annuals Sown in Our Nurseries November 18 and 19, 1938

	In bloom
Calliopsis	June 25, 1939
Annual Larkspur	June 24, 1939
Lupinus	July 1, 1939
Schizanthus	June 15, 1939
Anchusa	June 25, 1939
Gilia	June 15, 1939
Godetia	June 1, 1939
Poppy	June 25, 1939
Gypsophila	June 15, 1939
Antirrhinum	July 1, 1939
Dianthus	July 1, 1939



# New Giant Pansies

For Complete List of Pansies, See Our Spring Illustrated Catalog.

- 3892 **Swiss Alpenglow (Crimson Queen)**. Rich cardinal and garnet shades. Vivid and attractive.  $\frac{1}{16}$  oz., 75c.
- 3896 **Swiss Berna**. Dark violet blue.  $\frac{1}{16}$  oz., 75c.
- 3891 **Swiss Blue (Ullswater) (Thuner Sea)**. A solid blue flower with blue-black blotches.  $\frac{1}{16}$  oz., 75c.
- 3897 **Swiss Delft Blue**. A delightful tone of translucent blue of good size and substance.
- 3898 **Swiss Fire Beacon**. Bright wallflower red with a touch of orange.
- 3895 **Swiss Luna**. Light straw yellow.
- 3900 **Swiss Pure White**. Very free-blooming.  $\frac{1}{16}$  oz., 75c.
- 3899 **Swiss Pure Yellow**.  $\frac{1}{16}$  oz., 75c.
- 3893 **Swiss Yellow (Rheingold)**. Rich yellow with blotches on the three lower petals.  $\frac{1}{16}$  oz., 75c.

## Improved Swiss Giant Pansy Mixture

- 3890 The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. Pkt., 25c;  $\frac{1}{16}$  oz., 90c;  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.50; 1 oz., \$8.00.
- 3894 **Vaughan's Super Swiss Mixture**. We have made a special mixture from the strains of three pansy specialists. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous wavy and crinkly flowers. Pkt. (250 seeds), 50c;  $\frac{1}{8}$  oz., \$1.50.

- 3857 **Early Flowering Blue Boy**. Clear, pure, silvery lilac, plants compact and robust, blooms  $2\frac{1}{4}$  to  $3\frac{1}{2}$  in. Pkt., 15c.
- 3818 **Giant Art Shades**. Distinct colors, including cream, primrose, pale mauve and others, frilled petals. Robust growth, heavy leaves. Pkt., 25c.
- 3820 **Giant Coronation Gold**. Canary yellow flushed orange, flowers 3 in., ruffled, spicy scent. Pkt., 50c.
- 3907 **Fanal**. A very attractive color, a blend of scarlet-bronze. The flower is of good form, not extra large, but good sized. Pkt., 25c.

## Maple Leaf Giant Pansy Mixture

- 3792 A distinct variety we introduced several years ago. It is quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt. (250 seeds), 50c;  $\frac{1}{8}$  oz., \$1.50.
- 3794 **Vaughan's "Super" Maple Leaf Mixture**. Flowers of unbelievable size and texture; in a wonderful color range, larger than in any other strain, while the plants are of compact growth and the extra large foliage is a rich, dark green. Pkt. (250 seeds), 75c;  $\frac{1}{8}$  oz., \$2.00.

- 3761 **Baby Delight**. An ideal pansy for spring blooming. Makes dwarf but compact bushy growth with a height of not more than 8 inches. The flower is lovely light blue, with a pleasing "face," about 1 inch in diameter. Pkt., 25c.

## How to Sow Pansy Seeds

Sow the seeds in a cold frame in light soil without any fertilizer. Cover the seeds very lightly with the same soil and keep moist. Shade the seed bed with cheesecloth or a muslin screen, and as soon as all the plants are up remove the screen. Or you may sow them in a large pot or seed pan.

To be certain of fine, strong Pansy plants, we suggest the following, applying as a top-dressing by the end of March or early April:

2 parts dried blood

2 parts steamed bone meal

1 part potash

## FALL SOWING OF PERENNIAL SEEDS

Perennial seeds may be sown in the fall in flats or in well prepared seed beds, elevated above the surrounding surface and protected with a wooden curb, or in cold frames. Like annuals so treated, they will germinate early in the spring before the ground could be prepared for spring sowing. After the ground is frozen, the seed bed should be covered with a mulch to keep the frost in and prevent heaving. This treatment is especially good for slow germinating subjects.

- 3880 **Vaughan's International Pansy Mixture**. A mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Maple Leaf Giants and Mammoth Exhibition. Flowers of largest size and great substance in the most varied colors and color combinations.  $\frac{1}{8}$  oz., \$1.10; 3 pkts. for 65c; pkt. (250 seeds), for 25c.

## Perennial Lupins

In a sandy or light woods soil where water can be supplied, the lupins will thrive. Their tall spikes of bloom present a delightful variety of color blending from June to September.  $2\frac{1}{2}$  to 3 ft.

- 8171A **Russell Re-selected**. These remarkable lupins are the result of the continuous labor of many years. The spikes of bloom are often  $3\frac{1}{2}$  feet and more in length. Flowers are fan-shaped, the standard being expanded like that of a Sweet Pea. The coloring has an enormous range and unique character. Gold Medal award by the R.H.S. Originators packets. 12 seeds, 25c; 50 seeds, 65c.

- 8171 **Russell**. (Grown from originators stock seed.) A very fine collection. 50 seeds, 25c.



DELPHINIUM PACIFIC GIANT  
(Vetterle and Reinelt)

## Delphinium

### Pacific Giant (Vetterle and Reinelt)

The flowers of this new strain are of immense size, tightly set on five feet, straight "whippy" stems. The flowers do not shatter and the plants are 60 to 65 per cent mildew resistant. An outstanding introduction. Seed sown in September will produce blooming plants next Summer. We offer the Originator's seed in the following colors:

### 1939 NOVELTIES

- 7559A **Blue Jay**. From medium to dark blue with dark bee.
- 7560 **Galahad**. Clear white, highly mildew resistant.
- 7560A **Lancelot**. Lilac with white bee.

Price, each of the above, \$1.00 per packet.

### 1938 NOVELTIES

- 7561 **King Arthur**. Royal violet with white bee.
- 7561A **Guinevere**. Light pink lavender with white bee.
- 7562 **Summer Skies**. Light blue with white bee.
- 7562A **Clear White**. Of glistening texture.

Price, each of the above, 75c per packet.

### STANDARD COLORS

- 7556 **Dark Blue Shades**. 7558 **Pastel Shades**.
- 7557 **Light Blue Shades**.

- 7558-A **Mixed**. Many shades and color.

Price, each, 75c per packet.



TYPE OF OUR GIANT PANSIES.



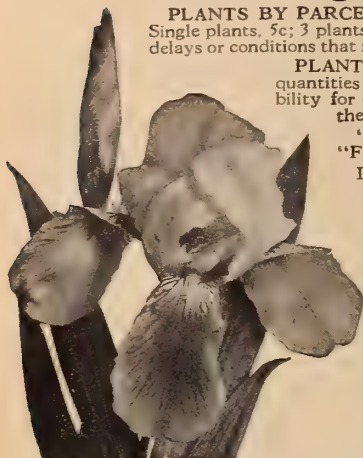
# Vaughan's Irises

**PLANTS BY PARCEL POST**—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

**PLANTS BY EXPRESS**—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard or upright curling petals; "F" to falls or drooping petals.

Irises are most effective if planted 3 of a kind in a clump.



lished, give it frequent attention, watering in dry spells. In the first winter, after the ground has frozen, a light mulch to prevent thawing and heaving will be beneficial.

## New, Outstanding Varieties

**★Alta California.** 48 in. Superb flowers of deep golden yellow, faintly bronzed, on strong branched stems. Blooms of firm texture, unmarred by sun or rain. An extra fine new yellow and hardy everywhere. 35c; 3 for 90c.

**★Black Wings.** 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster. A striking variety that is easily grown and deliciously fragrant. 35c; 3 for 90c.

**Blue Triumph.** 42 in. A magnificent iris, considered the finest light blue yet introduced. The flowers are very large and flaring and of heavy substance, with smooth velvety finish. Huge stalks, carrying from 12 to 15 flowers widely set apart. \$1.25.

**Buechley Giant.** 40 in. This new variety has the largest flowers of any Iris we grow. It is a clear lavender blue bi-color that has the perfect form of Freida Mohr. Will create a sensation in any garden. 35c; 3 for 90c.

**California Gold.** 36 in. A super novelty with dazzling, deep golden yellow. Good garden variety as it does not fade. Late. \$2.00.

**Chromylla.** 40 in. These large, beautifully shaped flowers of chrome yellow have the smooth finish and texture of a magnolia blossom. One of our most satisfactory yellows. 35c.

**Copper Lustre.** 36 in. Dykes Medal, 1938. Century. Its flowers are of huge size and its color a blend of glowing copper and gold with iridescent sheen. Nothing quite like it. \$3.00.

**Coralie.** 38 in. Winner of Dykes Medal for 1933. A vividly colored blend of pink and red that approaches a soft raspberry color in effect. Unusually lovely flowers of fine form. \$1.00.

**Crystal Beauty.** 40 in. Large, perfectly shaped flowers of pure, snow white on well branched stalks. Said to be the whitest white of all Irises. 75c; 3 for \$1.50.

**Dauntless.** 40 in. One of the brightest red Irises introduced. A brilliant rose red self with flaring falls that appear darker because of their velvety quality. Dykes Medal 1929. 30c; 3 for 75c.

**★Depute Nomblot.** 50 in. This Dykes Medal Winner of 1930 is a magnificent Iris of greatest vigor; has strong foliage and stout, nicely branched stems. Flowers are of enormous size. S. coppery-red, flushed golden bronze; F. rich claret crimson. The entire flowers seem lightly dusted with gold which sparkles in the sun. 30c; 3 for 75c.

**Desert Gold.** 30 in. An early blooming, fragrant substance. Very large flowers of soft luminous yellow, with a brilliant gold beard. 30c; 3 for 75c.

**Eros.** 38 in. An exquisitely colored Iris of salmon-pink with a soft yellow haft and beard. The flowers are of a silky texture and are very fragrant. Vigorous grower. 75c.

**★Ethelwyn Dubuar.** 38 in. Very fine large flowers of deep pink with delightful ruffling. Decidedly bigger and better than any other in its color class. 50c. 3 for \$1.00.

**Gudrun.** 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. 75c.

★Those indicated by a star are medium priced varieties of outstanding merit and are especially recommended for garden planting.

**DYKES MEMORIAL MEDAL.** This is an award made annually in America, France and England for the best Iris of the year.

As soon as German iris plants are received, plant them in a sunny, well drained place. Each plant should have at least eighteen inches clear space from other irises, as it will grow in a circle and many varieties spread rapidly. The rhizome, or fleshy root stock from which the leaves and roots grow, should be barely covered with soil, with the roots properly spread below, and the soil well firmed about them. Until the plant is established, give it frequent attention, watering in dry spells. In the first winter, after the ground has frozen, a light mulch to prevent thawing and heaving will be beneficial.

**De Luxe Iris Collection.** One each Alta California, Black Wings, Buechley Giant, Crystal Beauty, Ethelwyn Dubuar, Jean Cayeux, Mary Geddes, Red Dominion. (Value \$3.90) for \$2.95.

**★Happy Days.** 40 in. An immense clear yellow most easily described as a yellow El Capitan. Perfectly branched, with each stalk carrying 7 or 8 massive blooms. \$1.25.

**Helios.** 44 in. An enormous, luminous, lemon yellow Iris with delicate rose-purple linings on the falls. A very fine vigorous growing and free-flowering variety. 30c; 3 for 75c.

**Imperial Blush.** 40 in. branching stalks. Delightfully fragrant; free flowering. 50c.

**Jean Cayeux.** 38 in. Dykes Medal 1931. This Iris is a masterpiece. A beautiful blending of coffee or Havana brown with a golden glint that is enchanting. The flowers are of perfect shape and are borne over a long season on splendidly branched stalks. No variety quite like this one. 75c.

**Joycette.** 42 in. Huge flowers, 6 to 6½ inches, that are a rich blazing red in the sun. Form excellent and substance heavy. Usually has 3 or 4 blooms open at once. 75c.

**★Mary Dynes.** 36 in. Large, dark red bi-color that has a flush of gold in the standards; very late. Good grower and prolific bloomer. A very beautiful new variety. 50c.

**★Mary Geddes.** 38 in. Dykes Medal for 1936. S. salmon flushed yellow; F. same shade overlaid Pompein red. Garden effect orange salmon. Its widely branched stalks carry 8 to 10 flowers of long lasting qualities. One of our finest varieties. 50c.

**Missouri.** 36 in. Dykes Medal, 1937. Of sensational size and unquestionably one of the best of all blue irises. S. clear vivid blue; F. slightly darker; semi-flaring. Form and substance extra good. \$2.00.

**★Mrs. Valerie West.** 42 in. A world famous Iris. Considered the best of the Dominion Seedlings. S. bronze flushed with lavender; F. massive and flaring, deep velvety crimson brown. Exceedingly large flowers. 30c; 3 for 75c.

**No-we-ta.** 35 in. A beautiful, true pink self in flower with yellow flushes at the center. The whole flower is softly frilled. An exquisite Iris and a fine garden variety. 30c; 3 for 75c.

**Red Dominion.** 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red. A glowing ox-blood red. An outstanding variety. 35c; 3 for 90c.

**Sierra Blue.** 48 in. Dykes Medal 1935. Enormous flowers of soft clear, enamel-like blue, reminding one of the blue of the Sierra mountains. It has widely flaring falls, good substance, and a refined finish and graceful form that is really exceptional. Of tall, stately habit, it carries many buds to the stalk. 75c; 3 for \$2.00.

**★Sir Michael.** 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. 30c.

**★Venus de Milo.** 40 in. A Dominion seedling of pure white with a rich creamy tone. Its large flowers are of exceptional substance and have the perfection of form and grace that the name indicates. 35c; 3 for 90c.

## Twenty Five Finest Irises

Price of the following, except where noted. Each 25c. 3 of one kind for 50c. (Note, we cannot supply 3 different kinds for 50c.)

**★Ambassadeur** 40 in. S. smoky bronze; F. dark velvety maroon. A strong grower with large flowers. Late. 20c; 3 for 30c.

**Asia.** 45 in. S. pale silvery lavender deepening at the base to golden yellow. F. pale reddish purple, lighter at the edges. Flowers exceptionally large. Late. 25c.

**Baldwin.** 40 in. Finely formed flowers of a uniform manganese violet color, of gigantic size and outstanding quality. 25c; 3 for 60c.

**Blue Velvet.** 46 in. A clear, beautiful, very dark blue self, the color of the richest shade of deep blue velvet. A superb flower of large size and heavy substance. 25c; 3 for 60c.

**★Cinnabar.** 42 in. A beautiful large flower of perfect form and deep, rich velvety red-purple tone. Very floriferous.

**Chasseur.** 36 in. Beautiful buds marked with gold and brown, and large flowers of clear yellow shaded lighter at the center. 20c; 3 for 30c.

**Clara Noyes.** 38 in. A brilliant blending of red, orange and yellow that is not unlike the coloring of the Talisman Rose. Entirely different from all other Irises, it creates a sensation wherever shown. 25c; 3 for 60c.

**Coronation.** 40 in. A brilliant, deep golden yellow of fine form and substance; profuse bloomer.

**Corrida.** 30 in. Small flowers of exquisite pure blue. Ideal for cutting and for table decoration. 20c; 3 for 30c.

**★Dolly Madison.** 38 in. A most outstanding blend of colors. S. mauvette shading to yellow at base; F. flaring, lilac tinged old gold.

**★Gold Imperial.** 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. 20c; 3 for 30c.

**★Imperator.** 40 in. A large red toned Iris. S. red-dish violet tinted buff; F. deeper shade. Flowers of excellent form borne on strong stems. 20c; 3 for 30c.

**King Juba.** 36 in. A brilliant, large flowered variety of striking appearance. S. pure clear yellow; F. deep velvety red. 25c; 3 for 60c.

**King Tut.** 34 in. S. brown suffused with red; F. velvety glowing brownish-red. Large flowers of beautiful coloring.

**Labor.** 36 in. An extraordinary Iris of new color. S. dark violet heliotrope suffused with a coppery glow; F. deeper shade. 20c; 3 for 30c.

**★Mareschal Ney.** 36 in. A very rich bi-colored red with a chestnut brown tone, the central area distinctly orange lighted at a distance. Large flowers.

**★Morning Splendor.** 40 in. A fine American introduction that has been awarded three medals. S. Petunia-violet; F. rich raisin-purple. The flowers are large, and fragrant. Late.

**Robert W. Wallace.** 40 in. A magnificent dark pallida of richest red-purple coloring.

**★Santa Barbara.** 40 in. A gigantic light blue self of perfect form with flaring falls. An outstanding variety and one of the finest of its color.

**Seminole.** 30 in. S. soft violet-rose; F. velvety crimson; bright color. 20c; 3 for 30c.

**★Sensation.** 48 in. Enormous corn-flower blue flowers of perfect form and heavy substance. A perfect flower, the standards beautifully arched, the falls flaring and the stems tall and sturdy. 25c; 3 for 60c.

**★Souv. de Mad. Gaudichau.** 40 in. This is without a doubt the most beautiful of all the deep purple Irises. Large flowers of rich velvety purple.

**Taj Mahal.** 38 in. A very fine white of good shape and great substance borne on tall, well-balanced stalks.

**Trostringer.** 36 in. A very lovely soft-pink-toned variety that might be described as a white flushed apple blossom pink. 20c; 3 for 30c.

**Vesper Gold.** 42 in. A distinct yellow suffused with violaceous reflections. Bright orange beard. Late. 20c; 3 for 30c.

## Standard Varieties

We have a large collection of these in named varieties in all colors. List of varieties mailed on request. Price, 20c; 3 of one kind for 30c; 12 of one kind for \$1.00.

**Surprise Iris Collection.** Twelve beautiful varieties in a rainbow of colors, our selection (value \$2.40) labeled for only \$1.00.





WM. MOHR

# Twelve Iris Aristocrats \$2<sup>00</sup>

Catalog Value \$3.50. Prepaid 300 Miles For

These are among the fifty finest irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

★**El Capitan.** 40 in. Huge flowers of light violet-blue. A magnificent variety that is wanted by everyone that sees it. Exhibition blooms have measured 7 inches across and 9 inches high. 35c; 3 for 75c.

★**Frieda Mohr** 42 in. A gigantic lilac-pink bicolor 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring. Exquisite locust-like perfume. 25c; 3 for 50c.

★**Grace Sturtevant.** 36 in. One of the richest colored and showiest of all Irises. Standards dark red-brown with darker, rich velvety falls, almost black at the tips. 25c; 3 for 50c.

★**Indian Chief** 40 in. Every garden should have this fine red. S. pinkish red; F. glowing velvety red. Large well-shaped flowers of heavy substance. A prolific bloomer and strong grower. 25c; 3 for 50c.

★**Wm. Mohr.** 26 in. One of the most remarkable Irises ever raised. The ground color is pale lilac, the standards flushed darker, and the whole flower is beautifully veined manganese-violet. The plants are small, but the blooms are simply immense. 25c; 3 for 60c.

★**Los Angeles.** 40 in. Giant, snowy-white flowers of satin texture; the standards faintly edged lavender blue. Perfectly hardy, it is considered one of the finest of all white Irises. We think it is just about perfect. 35c; 3 for 90c.

★**Pluie d'Or (Golden Rain).** 40 inch. Dykes Medal 1928. Tall golden yellow self. A large flower of perfect form and a profuse bloomer. Late. An outstanding variety. 25c; 3 for 50c.

★**Pink Satin.** 42 in. Large, finely shaped flowers of a very delicate and smooth, yet glistening pink. The most outstanding of all the American pink Irises. 35c; 3 for 90c.

★**President Pilkington.** 46 in. Very large form and glorious blend. S. pale buff with a faint bluish suffusion; F. wide and flaring, lavender blue with a buff suffusion. Extra fine. 35c; 3 for 75c.

★**Princess Beatrice.** 40 in. A selected form of *Pallida Dalmatica*, one of the finest of all Irises. Silvery lavender flowers of satiny texture and good substance, flaring falls. 25c; 3 for 50c.

★**Rameses.** 36 in. Dykes Medal 1932. A large blend of russet rose, pink and buff with a yellow glow at the center; large apricot beard. A vigorous healthy grower and free bloomer. 25c; 3 for 50c.

★**Valor.** 52 in. Velvety blackish violet-blue bicolor of huge size and perfect shape on very tall stems. Rich and startling in effect. 35c; 3 for 75c.

## Fall Blooming Irises

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

Price except where noted 25c; 3 of one kind for 50c.

★**Autumn King.** 30 in. A blue-purple bicolor of fine size. 20c; 3 for 30c.

**Autumn Queen.** 18 in. Pure white flowers of good size and quality. 25c.

★**Eleanor Roosevelt.** 28 in. An outstanding variety of very fine deep velvety purple. Profuse bloomer twice a year. 25c; 3 for 60c.

**Golden Harvest.** 18 in. The first yellow fall bloomer. S. olive yellow bluish at the haft; F. citron yellow. 35c.

**Jean Siret.** 15 in. A dwarf yellow of exceptional merit. Gives a long season of bloom in both the spring and fall and often blooms in the summer. Is classed as an everblooming Iris.

**Lieutenant de Chavagnac.** 15 in. Deep red velvet with same everblooming habits as Jean Siret. 30c.

**October Blaze.** 34 in. Big, glowing red-purple, somewhat on the order of Indian Chief. Late. \$1.00.

**Southland.** 28 in. Clear deep chrome yellow of large size and heavy substance. Unusually fine in both spring and fall. 50c.

★**Ultra.** 14 in. A beautiful ultramarine blue bicolor. Very popular variety. 20c, 3 for 30c.

## Siberian Irises

The most delicate and elegant of all small flowered Irises. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting. Always ornamental.

Price, except where noted, 25c; 3 of one kind for 40c; 12 of one kind for \$1.25.

**Butterfly.** 36 in. Lovely porcelain blue flowers; vigorous grower.

★**Emperor.** 48 in. Large flowers of a deep, rich violet-blue. Very fine.

**George Wallace.** 46 in. Azure-blue, F. marked white. Very popular. 3 for 30c.

★**Perry's Blue.** 48 in. Large, well formed flowers of a beautiful shade of sky-blue.

One of the most popular and finest of Siberian Irises.

**Orientalis.** 24 in. Rich deep purple. Fine for naturalized plantings. 3 for 30c.

**Snow Queen.** 30 in. Large, ivory white with rich yellow blotch at the throat.

**Mixed Seedlings.** 3 for 30c; 12 for \$1.00.

The Beardless, Japanese and Siberian Irises, unlike the Bearded Irises, prefer an acid soil and deep planting (about 2 inches). Peat Moss is excellent to use in the beds in which they are planted.

## Dwarf Irises

Price, any of the following except where noted, 25c each; 3 of one kind for 40c.

**Cristata (Crested Iris).** Early. A dainty dwarf large blue flowers. Fine for use in the rock garden.

**Pumila Hybrida.** Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

★**Dixmude.** S. aniline blue; F. rich crimson-purple. 20c; 3 for 30c.

**Orange Queen.** Clear deep yellow with orange beard.

★**Schneekuppe.** Fragrant white.

**Spring Skies.** Lovely light blue, the shade of the Belladonna Larkspur.

## Japanese Irises (Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

Prices except where noted, each 35c; 3 of one kind for 90c.

★**Gold Bound.** Double. White with gold-banded center. Earliest to bloom.

**Iso-No-Nami.** (Shallow Waves). Suffused rose and blue over white; gold center. One of the largest flowered and the latest to bloom. Double. Each, 50c.

★**Mahogany.** Large double flowers of velvety-mahogany red. Late.

★**Momigi-No-Taki.** (Maple Waterfall). Bright rosy crimson feathered in white. Double. 50c.

**Norma.** Exquisite silky lavender-pink with clear blue halo surrounding a yellow blotch at center. Fine large double, 75c; 3 for \$2.00.

★**Purple and Gold.** An enormous double of rich violet-purple with gold center.

**Seacrest.** Six large wavy white petals with a deep blue haft.

**Uchiu.** Cerulean blue, veined white; gold center. Blooms a long time. Double.

**Mixed Seedlings.** 3 for 30c; 12 for \$1.00; clumps, each, 35c.

**Special Offer No. 29-A** One each of above 8 named Japanese Irises (Value \$3.50) for \$2.25.

## New Japanese Irises

**Celestine.** Deep silvery pink hue veined blue. Large, single flowers that will measure 7 inches across. A strong growing and unusually beautiful variety. \$1.00.

**Eleanor Parry.** Double. Claret-red flowers flamed white and blue. 60c.

**Kamata.** Single, dark velvety sky-blue with white veins; excellent. 60c.

**Rose Anna.** Ivory-white with heavy ruby-red veins; center yellow; stigmas dark plum. A fine double. 50c.

**Templeton.** Double large mahogany red of pleasing tone; sturdy grower. 50c.

**Violet Beauty.** Single. Velvety pansy-violet with conspicuous yellow center. Very large flowers. A free blooming variety. 50c.

**Special Offer No. 29-B** One each of above 6 new Japanese Irises (value \$3.70) for \$2.25.

## Various Beardless Irises

Most of these varieties bloom after the German Irises are gone and before the Japanese Irises open.

**Dichotoma** (Vesper Iris). Dainty blue flowers, beautifully marked, that open in the afternoon. Blooms profusely during the month of August. 50c.

**Dorothea K. Williamson.** 33 in. A rich velvety of intense color. One of the finest beardless Irises. Plant in moist, well-drained soil. 30c; 3 for 75c.

**Fulva.** 18 in. An interesting species with beautiful coppery red flowers in middle June. Very unusual. Likes semi-shade. 40c.

**Lord Wolsely.** 40 in. Large, handsome flowers of blue-purple color. Very hardy and vigorous. One of the best. 35c.

**Monnieri.** 48 in. Handsome, rich golden yellow flowers of excellent form. Prefers a moist situation. 35c; 3 for 75c.

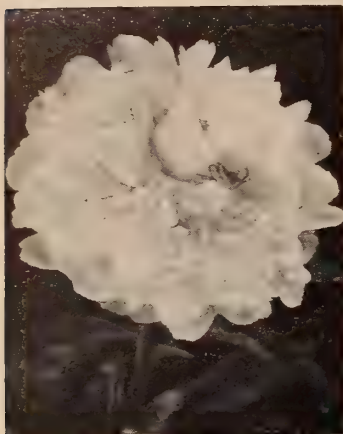
**Ochroleuca Gigantea.** 60 in. A giant form of *Ochroleuca* with large ivory white flowers marked yellow at the throat. Long slender foliage. 50c.

**Pseudoacorus** (Common Yellow Water Flag). 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 25c; 3 for 50c.

**Versicolor** (Common American Water Flag). 24 in. Showy violet-blue remaining in bloom for a long time. Good for waterside plantings. 25c; 3 for 50c.

We have a large collection of Iris. Ask for a complete price list.





FRANCES WILLARD

# Vaughan's Peonies

**P**EAONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade in single clumps or long beds; or bordering lawns, shrub rows, and drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end.

**Planting.** Peonies may be planted from September first until May. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming, 2 or 3 inches of soil over the crown (eyes) being sufficient. We offer Divided roots, natural divisions, having 3 to 5 eyes of blooming size.

The figures following the varieties are the rating given to them by the American Peony Society, based on a scale giving 10 points for perfection.

**Feeding.** Peonies in established plantings need to be fed each Spring. A top dressing of Vaughan's Balanced Ration (5-8-7) well worked in will do wonders, but it should be applied early.

**Roots by Parcel Post.**—If to be sent by parcel post, add postage as follows: Single roots, 8c; two roots, 12c; 3 roots, 16c.

★Varieties indicated by star are of outstanding merit and are especially recommended by us for garden planting.



AMA-NO-SODE

## Light and Dark Pink and Rose

★**Claire Dubois** (8.7) Very large, double, globular flowers; color rich clear satiny pink, with glossy reflex. Late midseason. 75c.

★**Edulis Superba** (7.6) Usually blooms for Decoration Day. The large flowers are a beautiful deep, vivid pink, and are borne profusely on tall, strong stems. One of the most fragrant of all Peonies and one of the best for cut flowers in its color and season. 40c.

★**Georgiana Shaylor** (8.9) Large, flat, pale rose-pink with a few flecks of crimson. Strong grower and midseason bloomer. 75c.

**Hansina Brand.** (9.1) A flower of beautiful form and really giant size. Color deep flesh pink, shading darker at the base of the petals with a salmon reflex. Resembles Solange but has a better stem and flowers that always open. Late. \$3.50.

**Lady Alexandra Duff** (9.1) Enormous, loosely built flowers of pale blush pink with yellow stamens. Very showy and beautiful. Midseason. 75c.

**La France** (9.0) Soft appleblossom-pink. Very large, fragrant flowers of unusual crepe-like texture. Late midseason. 75c.

**La Lorraine.** (8.6) Enormous globular blooms of pink. A beautiful flower that ranks with Le Cygne and Solange in the show room. Midseason. \$1.50.

★**Mad. Emile Galle** (8.5) Large, flat flowers of delicate shell-pink with touches of heliotrope and lavender. Exquisite fragrance; late. 50c.

★**Martha Bullock** (9.1) A real peony aristocrat, gigantic in size and exquisitely beautiful. Its immense cupped shaped flowers of bright old-rose pink are often 9 to 12 inches in diameter and are held well above the foliage on tall, stout stems. Rose-like fragrance; late. As a garden variety, or as a cut-flower or show variety, this one is hard to beat. \$1.00.

**Milton Hill** (9.0) Clear pink overlaid with sheen of delicate lilac. Very large bloom; excellent for cutting; late. \$1.00.

**Minamota** (9.0) An unusual flower, semi-double, of a vivid rose-pink with a mass of yellow stamens interspersed through the center. 90c.

★**Mons. Jules Elie** (9.2) By many considered the most beautiful of all Peonies. The flowers are an immense ball of imbricated petals incurved like a chrysanthemum; the color a glistening lilac-pink shading to deeper rose at the base, all overlaid with a sheen of silver. Comes into bloom early and is one of our finest varieties for cutting. Very fragrant. 75c.

**Myrtle Gentry.** (9.1) Immense flowers of perfect rose form and wonderful substance on stiff stems. Color beautiful pink with tints of flesh and salmon. Tea rose fragrance. Late midseason. \$2.50.

**Octavie Demay** (8.5) Very large, flat crown, guards and center delicate hyacinth-pink, collar almost white. Very fragrant, very dwarf; Early. 50c.

★**Pierre Duchartre** (8.2) Large, compact flowers of a delicate lilac-pink; very fragrant. Late. 75c.

★**Reine Hortense (President Taft)** (8.7) One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more. Its flowers are among the largest of any variety that we grow and the color is a beautiful uniform light pink, center flecked crimson. Midseason. This variety is a consistent prize winner at the large peony shows. 75c.

★**Sarah Bernhardt** (9.0) This fine variety is one of the largest and best pink Peonies in the world. It is a vigorous grower and a prolific bloomer, carrying its perfectly formed flowers gracefully on tall stems. The color is a dark rose-pink, edged lighter pink; center flecked crimson. An extra good cut-flower variety, it is always found in the winning classes of every show room. Late midseason. Delightfully fragrant. 75c.

**Souvenir de Louis Bigot** (9.1) Large, con-fringed petals. Color a brilliant rose, turning to salmon-pink. Midseason. \$1.00.

★**Therese** (9.8) A wonderful Peony of perfect habits and with immense, flat blooms of delicate texture. Color violet rose, changing to lilac-white. Early midseason. \$1.00.

**Walter Faxon** (9.3) Ranked by Mrs. Harding with Solange and LeCygne as the three finest peonies. "Here is the most delectable hue of pink displayed by any of the peonies outside of the tree peonies," she writes. It is a free-blooming variety and grows strongly. Should be cut and allowed to open in the house where it will last for days in increasing beauty. Midseason. \$1.00.

## White and Light Varieties

**Alsace Lorraine** (8.8) One of the most charming and beautiful in our collection. Its large flowers borne in clusters, have petals long and slightly cupped, which radiate symmetrically from the center like a water-lily. The color is a rich, creamy white, center delicately tinted Havana brown. A very striking tone similar in effect to the greatly admired Solange. 75c.

★**Avalanche** (8.7) A magnificent flower which opens like a rose. Pure white with a few penciling of carmine. A chaste and beautiful variety of perfect form, delightfully fragrant; late midseason. An excellent cut-flower and landscape variety. 50c.

★**Baroness Schroeder** (9.0) One of the finest Peonies in existence. Immense flowers of great substance with high chalice-shaped center. Opens a delicate flesh-white, sometimes a soft baby pink, changing to creamy-white. One of our best cut-flower varieties and an excellent keeper. Flowers held in cold storage as late as September have opened in perfect condition. June rose fragrance, late. 60c.

**Enchantresse** (8.9) Large, globular flower on tall, stiff stems. Creamy white with crimson tracings. Late. Fragrant. 75c.

★**Festiva Maxima** (9.3) An old variety which Mrs. Edward Harding says, "should be in every garden, large or small, lavishly arrayed or economically furnished." Flowers white, dotted carmine, are often 7 to 8 inches in diameter. Early. 40c.

★**Frances Willard** (9.1) A perfectly-formed flower that is found among the winning classes in every show-room. Very large blooms, often having a raised, cup-shaped center inclosing golden stamens. Opens an exquisite blush-white, with an occasional carmine touch, changing to pure white. Of good substance and a fine cut-flower variety. Late midseason. 90c.

**Jubilee** (8.9) Extremely large, flat flowers of ivory-white; petals long and narrow, loosely arranged, giving a feathery effect. Early 75c.

**Kelway's Glorious** (9.8) An extremely large flower, full of glistening white petals, the outer edges of which are slightly crinkled and curved inward. Very fragrant. Late midseason. \$1.50.

**La Rosiere** (8.3) A dainty peony with rose like flowers. It should not be disbudded, as sprays of its flowers are charming. It is semi-double, the outer petals pure white at center with a yellowish white border. Midseason. 50c.

**LeCygne** (9.9) (The Swan). "One of the three finest peonies," says Mrs. Harding. The curving petals of this magnificent flower are arranged like the feathers on a swan's wing. "Symmetrical, globular, of great size, fragrant, free-blooming, and milk-white," continues Mrs. Harding, "Le Cygne stands by itself." Has the highest rating of any Peony. Early midseason. \$2.50.

★**Mme. Jules Dessert** (9.4) A strong-growing, free-blooming plant, of delicate coloring. When the flower is cut just as the bud unfolds, and is allowed to open in a shaded room, wonderful tints of flesh, straw and white can be seen to perfection. Midseason. \$1.00.

**Primevere** (8.6) "Finest of the yellow herbaceous peonies and one of the most fragrant," says Mrs. Harding. Striking and ornamental in the garden, it is still more satisfying as a cut flower. Then its color is safely guarded, and its perfume fully enjoyed. Midseason. \$1.00.

**Solange** (9.7) Of this variety Mrs. Harding writes: "Until the lover of peonies knows Solange, his life is wasted, bare, uninteresting, impoverished, and lonely beyond all words to tell. Its flower is high built, compact, and composed of large, thick petals which closely overlap. The color is deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart." Late. \$1.00.

★**Tourangelle** (9.4) Pearl-white, overlaid with delicate shades of salmon; flowers flat, borne on long stems. Must be well established to get best results. Exquisite in its color tints if shaded from the sun when opening. Late. \$1.00.

## Peony Cover Collection

(Illustrated on Cover B)

One each of Avalanche, Longfellow, Martha Bullock and Reine Hortense (value \$3.25), prepaid 600 miles for \$2.00.

These are four of the World's Greatest Peonies. They will give you a spectacular display in the garden and each will last for days if cut in the bud and allowed to open in water in the house. And if you want to enter blooms in the flower shows, these are prize-winners. If you have the space, get a collection for your cutting garden as well as for your flower garden and you will not be disappointed. The best value we have ever offered.

## Red and Crimson Sorts

**Auguste Dessert** (8.7) Cup-shaped flowers of fine form, with rounded petals, velvety crimson-carmine, very brilliant, with silvery reflex and often streaked white. Midseason. \$1.00.

**Cherry Hill** (8.6) Deep garnet with conspicuous sheen. Stems strong and erect. Does not burn. Early. 75c.

★**E. G. Hill** (7.8) Very large, double flowers of rich tyrian red with a fiery brilliancy. Of erect, rather dwarf, compact growth, with extra stiff stems. Early midseason. 60c.

★**Felix Crousse** (8.4) Its large, globular flowers solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Late midseason. 50c.

**Grover Cleveland** (8.2) Rose type; late, strong grower. 50c.

All Prices F. O. B. Our Nurseries, Western Springs, Ill. If wanted by Parcel Post, add 8c for 1 plant, 16c for 3 plants.



## PEONIES—RED AND CRIMSON SORTS—Con.

**Inspecteur Lavergne** (8.6) Vivid crimson, frilled petals in the center; very full, globular flower of Mons. Jules Elie form. Abundant bloom. \$1.25.

★**Karl Rosefield** (8.8) Very tall, compact grower of stately habit and an excellent bloomer, every stem carrying a huge, ball-like flower of rich velvety-crimson. Very brilliant and striking. We consider it the best all-round red Peony. Early midseason. 60c.

★**Longfellow** (9.0) Perhaps the most brilliant of all the red peonies, as striking in the garden as in the showroom. It blooms in early midseason, has excellent foliage and strong, stiff stems. Very popular on account of its dependability and its vivid fadeless color. \$1.00.

★**Mary Brand** (8.7) Vivid crimson of immense size; full double; a free-bloomer and a strong grower; midseason. Excellent for cut flowers. 75c.

**Mad. Gaudichau** (8.2) Large, rather loosely built flowers of brilliant dark red; late midseason. Fine garden variety. Foliage vivid red in spring; stems red all summer. \$1.00.

**Mons. Martin Cahuzac** (8.8) Medium sized, globular blooms. Dark purple-garnet with black reflex. The darkest peony known. Strong, vigorous grower; free-bloomer; midseason. \$1.00.

**Officinalis Rubra Plena** (8.6) This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut flower. 75c.

★**Philippe Rivoire** (9.2) Very dark crimson with velvety sheen. Perfectly formed, cup-shaped flowers with incurved center; delightfully fragrant; late. It is distinctly different and is the most beautiful and highest rated of all red Peonies. \$2.00.

★**Richard Carvel** (8.8) Large globular flowers, all one shade of bright crimson. Tall, very stout stems, annual and profuse bloomer. Delicate fragrance. Early, usually in bloom for Decoration Day. 75c.

**Tenuifolia Flora Plena** A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Very rare and always scarce. Should be mulched the first winter after planting. \$2.00.

We have a large collection of Peonies. Ask for a complete list.

## Japanese Flowered Peonies

These are entirely without pollen. The inner petals are a mass of filaments surrounded by a guard of petals.

★**Ama-No-Sode** (9.2) Considered by many the handsomest pink Japanese peony. The flowers are large, of bright rose, shading lighter toward the edge of the petals. \$2.00.

**Fuyajo** (9.2) Outer petals dark, rich, mahogany-red with velvety shading. Petaloids dark red striped and tipped buff. \$1.00.

**Gold Mine** (8.2) Single row of deep rose guard petals; deep golden center. 75c.

★**Isani Gidui** (9.3) Large, perfectly shaped flowers of pure white with rich buff-yellow center. Midseason. Considered the most beautiful white Japanese Peony. \$3.50.

★**Mikado** (8.6) Guards velvety crimson, forming a cup enclosing a filigree cushion of crimson petaloids, edged and tipped gold. 75c.

**Ruigegno** Two rows of petals of clear red. Golden petaloids. A beautiful flower of fine substance. \$1.50.

**Torpilleur** (8.0) Guard petals lively purplish-carmine; central filamentous petals of same tint but streaked and tipped with yellow. 75c.

Plant a few of the Single and Japanese Peonies. They are very showy and artistic and make an unusually beautiful picture in the garden or when cut. At night and on cloudy days they close their petals and look like a bouquet of huge rose buds. Very effective.

## Single Peonies

**Clio** (7.6) Large, cup-shaped single pink. Center a mass of long, golden pollen-bearing stamens, with pond lily fragrance. 75c.

**Fusyama** Soft colored flesh pink. Extra fine variety. 40c.

★**La Fiancee** (8.4) Pure white; very large, tall. 75c.

★**L'Etincelante** (8.1) Very broad petals of bright carmine with silvery border; crown of golden stamens at the center. \$1.00.

**Nymphe** Large flowers of bright flesh-pink with golden stamens. 75c.

**Perle Rose** Delicate clear china-pink with silvery edge. 50c.

★**Veloutine** (7.3) Large single cup-shaped flower, like a tulip. Color velvety purple-red. 50c.

**Vesuve** (7.6) Dark red. Early. 75c.

## Tree Peonies

Rare shrub-like plants. They are hardy, free-blooming, have rich coloring and thrive in an average soil in part or full sun. They should be mulched the first winter. We offer 2 years old grafted plants in 5 inch pots. Price, except where noted. Each, \$4.50.

**Lactea** Pure white, blotched carmine.

**Reine Elizabeth** One of the best of the double-flowered varieties. Very large, bright salmon-pink; free flowering.

**Souv. De Maxine Cornu** Enormous flowers, 8 inches or more across, with wrinkled petals of deep yellow, heavily shaded orange; fragrant. \$10.00.

**Souv. De Ducher** Large, globular bloom; bright reddish violet with silvery reflex.

## Good Peonies at Bargain Prices

Any of the following, 40c each. Add for postage for 1 plant, 8c; for 3 plants, 16c.

**Alexander Dumas** (7.1) Light violet-rose, creamy collar. Midseason.

**Duc de Wellington** (7.8) White tinted yellow; early; fragrant.

**Duchess de Nemours** (8.1) Beautiful sulphur-white; early, fragrant.

**La Tulipe** (7.5) Large light pink, tipped carmine; late midseason.

**Mad. de Verneville** (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early.

**Mad. Ducel** (7.9) Like Mons. Jules Elie, but a smaller flower. Midseason.

**Marechal Valliant** (7.5) American Beauty color; very large; late.

**Miss Salway** (7.8) Very large, globular, lilac-white. Midseason.

## Deluxe Peony Collection

Six of the world's finest varieties

9.9 **LeCygne**, white 9.4 **Tourangelie**, white 9.2 **Philippe Rivoire**, red 9.8 **Therese**, pink 9.7 **Solange**, cream 9.3 **Walter Faxon**, pink One each of the above (value \$8.50) for \$6.00

## Surprise Peony Collection

Three beautiful named varieties, one each red, white and pink, our selection, labeled, (value \$1.30) prepaid for \$1.00.

## Un-named Peonies

Double White—Double Red—Double Pink—Each, 30c; 4 for \$1.00.



**Jackmani**. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season. 2 yr. 75c; doz., \$7.50.

**Mad. Edward Andre**. Flowers large, of a very beautiful bright velvety red, very free-flowering and continuous bloomer. 2 yr. 75c; doz., \$7.50.

**Gold Medal Collection**. One 2-yr. old roots, each, Jackmani, Henryi and Mad. Edward Andre, \$2.00.

## Vines for Fall Planting

## BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 yr., 50c; doz., \$5.00; 3 yr., 60c.

## DUTCHMAN'S PIPE

**Aristolochia Sipho**. A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical effect and produce a splendid shade. It is very hardy and will thrive in sun or shade. 75c.

## CREEPER (Ampelopsis)

**Boston or Japanese Ivy**. (Ampelopsis Tricuspidata or Veitchii). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 50c; doz., \$5.00, 3 year, 65c; doz., \$6.50.

**Engelman's Creeper** (Ampelopsis Engelmani). One of the hardest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. 3 yr., 50c; doz., \$5.00.

## WISTERIA

**American Purple Wisteria** (Wisteria Magnifica). A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long pendulous racemes in late May. 2 yr. extra strong, 50c; doz., \$5.00; 3 yr., 60c; doz., \$6.00.

## HONEYSUCKLE (Lonicera)

We cannot speak too highly of this class for covering arbors, fences, pergolas, verandas, etc. They are fine for ground planting under trees, and if used on terraces or embankments will prevent washing. All are perfectly hardy and improve in beauty each year.

**Everblooming Honeysuckle** (Lonicera Heckrottii).

Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 75c; 3 yr., \$1.00.

**Hall's Japanese Honeysuckle** (Lonicera Japonica Halleana). This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. 2 yr., 50c; doz., \$5.00.

## HARDY ENGLISH IVY

**Hedera Helix Gracilis**. This variety has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places. 2½ in. pots, 35c; doz., \$3.00.

## LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The varieties listed should be pruned early in spring as they produce their finest blossoms from wood made during the current year. If not pruned, the flowers which develop will be small. They require rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

**Henryi**. Strong grower, flowers usually eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2 yr., 75c; doz., \$7.50.





DWARF BURNING BUSH.

## All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

Except where noted, 10 of one variety supplied at 10c less than each rate; 5 of one variety supplied at the 10 rate.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B & B indicates "Balled and Burlapped".

### ALMOND (*Prunus*)

**Flowering Almond** (*Prunus Glandulosa*). 4 to 6 ft. These well known, bushy shrubs are favorites in the old gardens. They never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, rose-like flowers that are closely set along the branches.

**Pink Flowering Almond** (*Prunus Glandulosa Sinensis*). Own root plants. 2 to 3 ft., 75c; 10, \$6.50; 3 to 4 ft., \$1.00; 10, \$9.00.

### AZALEA

**Chinese Azalea** (*A. Mollis*). 3 to 4 ft. One of the most glorious of the Azaleas, with flowers of yellow, orange, lemon, salmon and terra cotta borne before the leaves appear. It is of dwarf, compact growth with bright green foliage turning to bronze and red in fall. We can supply mixed colors only. The plants we offer have flowering buds and should bloom this spring. 9 to 12 in. B. & B., \$1.25; 10, \$10.00; 12 to 15 in. B. & B., \$1.50; 10, \$12.50; 15 to 18 in. B. & B., \$2.50 each, 18 to 24 in., B. & B. \$3.00 each.

### BEAUTY BUSH (*Kolkwitzia Amabilis*)

Its trumpet-shaped pink flowers are freely produced. Grows from 6 to 8 ft. tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. 3 to 4 ft., each, 60c; 4 to 5 ft., each, 80c; 5 to 6 ft., \$1.25; per 10, \$10.00.

### BURNING BUSH (*Euonymus*)

**Dwarf Burning Bush** (*Euonymus alatus Compactus*). 4 to 6 ft. A compact shrub that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. 18 to 24 in., 75c; 24 to 30 in., \$1.00; 2½ to 3 ft., \$1.25; 3½ to 4 ft., \$1.75.

**European Burning Bush or Spindletree** (*Euonymus Europaeus*). 12 to 14 ft. A tall, erect shrub, very handsome and conspicuous in autumn and winter when it is loaded with rose-colored capsules, from which orange-colored berries hang on slender threads. Rarely seen in gardens but one of our finest berried shrubs. 2 to 3 ft., 50c; 3 to 4 ft., each, 65c; 10, \$5.00; 4 to 5 ft., each, 80c; 10, \$6.50.

### CERRY, JAPANESE FLOWERING

Probably no group of small-flowering trees attract more attention than the Japanese Cherries with their rose-like flowers. Thousands visit the large collection at Washington, D. C. annually. They will thrive in a fertile and well-drained soil and should be kept mulched for a few years. It is advisable to pinch back the new growth in July, as this will have a tendency to force flower buds for the next season.

**Amanogawa** (Milky Way). Of upright growth similar to that of the Lombardy Poplar. Valuable for formal plantings and for use in small gardens. Flowers semi-double, pale pink and fragrant.

**Kwanzan** (Sekizan). 20 to 25 ft. Often called the handsomest of all the double-flowering cherries. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose.

**October Cherry** (*Prunus Subhirtella Autumnalis*). Single pink passing to white blossoms in spring, and usually a fall crop. 4 to 5 ft., \$3.00; 5 to 6 ft., \$3.50.

Price of above, except where noted, 4 to 5 ft., \$2.25; per 10, \$20.00.

**Double Flowering Weeping—Subhirtella Type**. In early spring its very slender, pendulous limbs are covered with myriads of small double pink flowers. 5 to 6 ft. stems, 2 yr. heads, \$4.00.

# Flowering Trees and Shrubs

## CORALBERRY

**Coralberry or Indian Currant** (*Symphoricarpos Vulgaris*). 3 to 4 ft. Purplish red fruit in Fall. Succeeds well in shade. 2 to 3 ft., each 40c; 10, \$3.00; 3 to 4 ft., each, 50c; 10, \$4.00.

## CRANBERRYBUSH (*Viburnum*)

**European Cranberrybush** (*Viburnum Opulus*). 8 to 10 ft. Of upright, spreading habit with dense green foliage. The single white flowers, borne in flat, imperfect clusters in May, are succeeded with very showy, cranberry-like berries that cling to the leafless branches all winter. 2 to 3 ft., 60c; 3 to 4 ft., 70c; 4 to 5 ft., 75c; 5 to 6 ft., 90c; per 10, \$7.50.

## CRAB, FLOWERING (*Malus*)

**Bechtel's Double-Flowering Crab** (*Malus Ioensis Bechteli*). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 4 to 5 ft., \$1.75; 7 to 8 ft., 1½ to 1½ inch caliper, \$3.75.

**Carmine Crab** (*Malus Atrosanguinea*). 10 to 15 ft. Similar to the Japanese, with carmine flowers which do not fade. 4 to 5 ft., 5 to 6 ft.

**Eleyi Crab** (*Malus Eleyi*) (New). 10 to 15 ft. A valuable new variety with red foliage, holding its brilliant color until fall. Produces clusters of wine red flowers and fruits of a red and apricot color about the size of cherries. 4 to 5 ft., \$1.75; 5 to 6 ft., \$2.25.

**Japanese Flowering Crab** (*Malus Floribunda*). 10 to 15 ft. Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter. 4 to 5 ft., 5 to 6 ft.

Price of above, except where noted, 4 to 5 ft., \$1.50; per 10, \$12.50; 5 to 6 ft., \$2.00; per 10, \$17.50. Sizes which we have to offer noted after each variety. Write for prices on larger sizes and for complete list of varieties.

## DOGWOOD (*Cornus*)

**Coral Dogwood** (*Cornus Alba Sibirica*). 6 to 10 ft. Bright coral-red branches. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c; 10, \$5.00.

**Goldentwig Dogwood** (*Cornus Stol. Flaviramea*). 6 to 10 ft. Attractive golden yellow bark. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c; 10, \$5.00.

## ELM (*Ulmus*)

### 3 Quick Growing Varieties

**American Elm, Moline Type** (*Ulmus Americana Molini*). 80 to 100 ft. Exceedingly large foliage. Of upright habit, taking up little room. Splendid tree for the street or for small yards.

**American Elm, Vase Type** (*Ulmus Americana Urni*). 80 to 100 ft. A beautiful tree for landscape or boulevard planting where grace, dignity and uniformity are desired. A true vase-shaped tree. Prices of the above 2 Elm Trees as follows:

Height	Caliper	Each	10 for
8 to 10 ft.	1½ to 1½ inch.	\$1.50	\$12.50
10 to 12 ft.	1½ to 1½ inch.	2.00	17.50
10 to 12 ft.	1½ to 2 inch.	2.50	22.50

**Chinese or Siberian Elm** (*Ulmus Pumila*). 75 ft. On account of its rapid growth, resistance to disease and ability to thrive in almost any situation, this new variety is already one of the most popular shade and street trees in America. A tree of rare beauty with small, dark green foliage.

Height	Caliper	Each	10 for
6 to 8 ft.	.....	\$1.25	\$11.50
8 to 10 ft.	1 to 1½ inch.	1.75	15.00
8 to 10 ft.	1½ to 1½ inch.	2.25	20.00

Larger sizes, prices on application.

## FIREBUSH OR FLOWERING QUINCE

**Firebush or Flowering Quince** (*Cydonia Japonica*). 4 to 5 ft. Very showy in April when its branches are covered with brilliant orange-scarlet, flowers, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., 50c; 10, \$4.00; 2 to 3 ft., 60c; 10, \$5.00.

## HYDRANGEA

**Peegee Hydrangea** (*H. Paniculata Grandiflora*). 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August.

**Snowball Hydrangea** (*H. Arborescens Grandiflora*). 4 ft. Large, flat heads of snow-white flowers in June and July. Thrives in shade.

Prices of above, 2 yr., 60c; 10, \$5.00; 3 yr., 70c.

## GOLDEN BELL (*Forsythia*)

**Border Forsythia** (*F. Intermedia*). 6 to 8 ft. Bright golden yellow flowers in early spring. 2 to 3 ft., 40c; 10, \$3.00; 3 to 4 ft., 50c; 10, \$4.00; 4 to 5 ft., 60c; 10, \$5.00.

**Korean Golden Bell** (*F. Ovata*). 5 to 8 ft. Handsome new species that is extremely hardy and does not fail to bloom, even after the coldest winters. The flowers are pale primrose-yellow and are produced very early, 10 days before the other sorts. 2 to 3 ft., 75c; per 10, \$7.00.

**Showy Border Golden Bell** (*Forsythia Intermedia Spectabilis*). 6 to 8 ft. Considered the best of the Forsythias on account of its larger and richer yellow blossoms, which completely cover the wide spreading branches in early spring. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 70c.

## HONEYSUCKLE (*Lonicera*)

**Lonicera Korolkowi Floribunda**. 10 ft. Twiggy growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants, producing a misty effect. Conspicuous orange red fruits. 2 to 3 ft., 75c; 10, \$6.50; 3 to 4 ft., 90c; 10, \$7.50.

**Late Honeysuckle** (*Lonicera Maacki Podocarpa*). 12 to 15 ft. Widespread branches abundantly clothed with dark green foliage. Its honey-scented flowers open white tinged with pink and fade to cream. Although it blooms in June, its brilliant scarlet fruit does not ripen until November. 3 to 4 ft., 65c; 10, \$5.50; 4 to 5 ft., 75c; 10, \$6.50.

**Pink Tatarian Honeysuckle**, (*Lonicera Tatarica Rosea*). 9 to 10 ft. One of our best shrubs for screen and border plantings. 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 70c; 10, \$6.00.

## JETBEAD (*Rhodotypos Kerrioides*)

4 to 5 ft. This handsome useful shrub will thrive in dry, shaded locations, in smoky cities, under trees and on the north side of buildings. Single white flowers like mockorange blossoms, borne in May and intermittently all summer, are followed by shining black berries which persist throughout the winter. 2 to 3 ft., 40c; per 10, \$3.00.

## KOREAN SPIRAEA

**Spiraea Trichocarpa**. 4 to 6 ft. In general habit this new hardy variety is very similar to the Bridal Wreath (*Spiraea van Houttei*). It has the same graceful arching form, but it is a stronger grower, has larger flowers and blooms about two weeks later. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c.

## MAIDENHAIR TREE

**Ginkgo Biloba**. 50-60 ft. A highly ornamental tree of slender upright habit. The leaves are fan-shaped, resembling the maidenhair fern, and are a deep green, turning to rich golden yellow in fall. Native of China, and although now quite rare, it is the oldest species in cultivation. It is immune to the attacks of insects and diseases and will thrive in the unnatural conditions of our cities. 6 to 8 ft., \$3.50.



AMERICAN ELM, MOLINE TYPE



# for the Home Landscape

## Outstanding Lilac Novelties

**Jan Van Tol.** Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

**Marechal Lannes.** Extra large trusses of double or semi-double flowers of beautiful bluish violet. Individual florets are of amazing size, the largest of any variety in our collection. A very showy lilac and one of our favorites. Fragrant. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

**President Poincare.** Enormous, compact trusses of very large, full double flowers. Huge, dark red buds that open into lavender-blue flowers, presenting an unusually beautiful combination of colors. Very fragrant. 2 to 3 ft., \$2.00; 3 to 4 ft., \$2.50.

**SPECIAL OFFER.** One each of the above 3 Lilacs, 2 to 3 ft., \$4.75; 3 to 4 ft., \$6.00.

**Marechal Foch (Sensational New Pink).** Bright carmine-rose with pink eye. Immense single flowers, 1-inch or more across, on large trusses. Very scarce. 2 to 3 ft., \$4.00.

**Ruhm von Horstenstein.** Distinct new shade among the tall, large flowered Lilacs. Buds deep red changing to lovely lilac. Delicious perfume; single. 2 to 3 ft., \$1.75.

## Special Offer French Hybrid Lilacs

A beautiful assortment of double and single, named varieties, labeled, our selection, at bargain prices. Plant a single specimen, a group or a whole hedge. Prices, 3 to 4 ft., \$1.00; 3, \$2.75; 10, \$7.50. 4 to 5 ft., \$1.50; 3, \$3.50; 10, \$10.00. 5 to 6 ft., \$2.00; 3, \$5.00; 10, \$15.00.

## JAPANESE LILAC

**Japanese Lilac (Syringa Japonica).** 15 to 20 ft. This variety forms a handsome small tree with broad, thick, dark green foliage. It is the last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 4 to 5 ft., 90c; 10, \$7.50; 5 to 6 ft., \$1.25; 10, \$10.00; 6 to 8 ft., \$1.50.

## MAPLE (Acer)

**Amur Maple (Acer Ginnala).** 10 to 15 ft. A graceful large shrub or small tree, low branched and bushy. Its small foliage, prettily cut and lobed, turns a brilliant red in autumn. It is extremely hardy and may be used as a substitute for the Japanese Maple. 3 to 4 ft., 75c; 10, \$6.00; 4 to 5 ft., \$1.00; 10, \$9.00; 5 to 6 ft., \$1.50; 10, \$12.50.

**Norway Maple (Acer Platanoides).** 50 to 75 ft. A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 1/4 inch.	\$2.25	\$20.00
8 to 10 ft.	1 1/4 to 1 1/2 inch.	2.50	22.50

Larger sizes, prices on application.

**Sugar Maple (Acer Saccharum).** 50 to 75 ft. Tall stately tree of vigorous growth with deeply lobed, dark green foliage, changing in autumn to brilliant tones of orange and lemon.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 1/4 inch.	\$2.50	\$22.50
10 to 12 ft.	1 1/4 to 1 1/2 inch.	3.50	32.50

**Schwedler Maple (Acer Platanoides Schwedleri).** 40 to 60 ft. Especially attractive in the spring, when their gleaming red and purple leaves contrast brightly with the delicate green of other trees. They change to dark green during the summer and fade with tones of yellow and brown in the fall.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/4 to 2 inch.	\$5.50	\$50.00
10 to 12 ft.	2 to 2 1/4 inch.	6.50	60.00

## PLUM (Prunus)

**Double-Flowering Plum (Prunus Triloba).** 7 to 8 ft. Native of China. Flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold, 3 to 4 ft., \$1.00; 10, \$9.00; 4 to 5 ft., \$1.25.

**Newport Purple-leaf Plum (Prunus Cerasifera Newport).** 12 to 15 ft. A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single pink flowers, which appear before the leaves. 4 to 5 ft., \$1.00; 5 to 6 ft., \$1.50.

## MOCK ORANGE (Philadelphus)

**Bouquet Blanc.** 4 to 5 ft. Each single branch of the variety has the appearance of a bouquet when thickly set with fragrant, semi-double flowers. Of upright growth. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

**Norma.** 7 to 8 ft. Unusually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 3 to 4 ft., 75c; per 10, \$6.00; 4 to 5 ft., 90c; per 10, \$7.50.

**Pyramidalis.** 8 to 10 ft. Waxy white clusters of large, double flowers. Of tall, compact pyramidal growth with large dark green leaves. 3 to 4 ft., 75c; 10, \$6.00; 4 to 5 ft., 90c; 10, \$7.50.

**Virginalis.** 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual single or semi-double flowers throughout the summer. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 75c; 10, \$6.00.

## GOLDEN ROSE OF CHINA

**Golden Rose of China (Rosa Hugonis).** 6 ft. This one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. It never winter-kills. 2 year, 60c; 10, \$5.00.



LATE HONEYSUCKLE

## OREGON HOLLYGRAPE

**Mahonia Aquifolia.** 2 to 4 ft. An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., 90c; 15 to 18 in., B. & B., \$1.25; 18 to 24 in., B. & B., \$1.50.

## SHRUBBY CINQUEFOIL

**Potentilla Fruticosa.** 2 to 4 ft. A desirable low-growing shrub, thriving either in wet or dry soil, producing bright flowers throughout the summer; suitable for rockeries and in front of taller shrubs. 18 to 24 in., 50c; 10, \$4.00; 2 to 3 ft., 60c; 10, \$5.00.

## SNOWBALL

**Old-Fashioned Snowball (V. Opulus Sterile).** 8 to 10 ft. Large balls of white flowers in May. 2 to 3 ft., 60c; 10, \$5.00. 3 to 4 ft., 70c.

## SNOWBERRY

**Snowberry (Symphoricarpos Racemosus).** 3 to 5 ft. Waxy white berries in fall. Does well in shade. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 10, \$5.00.

## TAMARIX

Shrubs of strong but slender, upright growth clothed in foliage as light and feathery as that of the asparagus. Very ornamental at the back of shrubby borders and valuable for seaside plantings.

**Amurensis.** A splendid spreading shrub with silky pink tassels; flowers in June. 3 to 4 ft., 50c; 10, \$4.00; 4 to 5 ft., 60c; 10, \$5.00.

**Africana.** Upright growing with showy reddish brown bark. Flowers pink in slender racemes in May. 3 to 4 ft., 50c; 10, \$4.00; 4 to 5 ft., 60c; 10, \$5.00.

## WINTERCREEPER (Euonymus)

This group of trailing Euonymus are valued for their dense evergreen foliage and hardness. They can be used for ground covers on terraces or under trees and are very effective when planted with Evergreens.

**Bronze Wintercreeper (Euonymus Radicans Col-orata).** A fine new variety introduced by the Arnold Arboretum, with bright red foliage in winter. 2-year, 50c; 10, \$4.00; 3-year, 60c; 10, \$5.00.

**Bigleaf Wintercreeper (Euonymus Radicans Vegetus).** This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover and is very effective when planted with evergreens. 2-year, B. & B., 90c; 10, \$7.50; 3-year, B. & B., \$1.25.

## WITCH HAZEL (Hamamelis)

**Winter-Blooming Witch-Hazel (Hamamelis Vernalis).** 5 to 6 ft. Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., \$1.00; 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00; 5 to 6 ft., specimens, B. & B., \$3.00.



HYBRID LILAC



# Hedges of Flowers, Fruit or Foliage



KOREAN BARBERRY

Increasing use of hedges is being made in landscape planting. In sections where evergreen hedges are difficult, a great variety of deciduous plants have been found to serve well.

Hedges are used for windbreaks, for boundary plantings, for architectural effects about house and terrace, and to provide the necessary frame for garden views and background for floral beauty.

We list on this page plants which have been found useful for planting in hedge rows. Among them will be found plants suitable for both tall and low hedges; some of which bear foliage only, and others which in addition to the thick wall of leaves necessary to produce a good hedge, will in season bear flowers, or fruit.

## BARBERRY (Berberis)

**Mentor Barberry (Berberis Mentorensis).** (Patent No. 99). 3 ft. It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and of green as dark as the Japanese Yew. With us here the leaves remain green until after the holidays, but are dropped in late winter. An ideal shrub for low hedges or foundation plantings. 15 to 18 in., 55c; 10, \$3.75; 100, \$30.00; 18 to 24 in., 70c; 10, \$5.00; 100, \$40.00.

**Red-Leaved Japanese Barberry (Berberis Thunbergi Atrorubra).** 4 ft. Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. Plant in full sun to develop its coloring. 15 to 18 in., 40c; 10, \$3.50; 100, \$30.00; 18 to 24 in., 50c; 10, \$4.00; 100, \$35.00.

**Truehedge Columbaria (Berberis T. Pluriflora Erecta).** (Patent No. 110.) 4-5 ft. Often mistaken for Boxwood on account of its extremely formal shape and its dense, glossy foliage, which is decidedly more dense, more upright and more richly foliated than the common Thunbergi. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 15 to 18 in., each, 35c; per 10, \$2.80; per 25, \$5.75; per 100, \$20.00; 18 to 24 in., each, 45c; 10, \$3.30; 25, \$7.00; 100, \$25.00.

**Korean Barberry (Berberis Koreana).** 6 ft. A tall, dense, slender stalked variety. Its large, nodding green leaves, paler beneath, turn red orange and purple in the autumn and are especially effective at that time, when the colored veins give marked contrast as they change in September. Has bright red berries that hang on late into winter. 15 to 18 in., 60c; 10, \$4.00; 100, \$30.00; 18 to 24 in., 75c; 10, \$6.50; 100, \$40.00.

## BRIDAL WREATH (Spiraea)

5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., 40c; 10, \$3.50; 100, \$20.00; 3 to 4 ft., 50c; 10, \$4.00; 100, \$25.00; 4 to 5 ft., each, 60c; 10, \$5.00; 100, \$30.00.

## HANSEN BUSH CHERRY

**Prunus Besseyi.** 4 to 5 ft. An easy to grow, new, hardy, quick-bearing cherry. It is valuable for its fruit, which resembles a plum in size and shape, and which comes massed in clusters from the ground up. They are good to eat fresh and make delicious preserves. The plants have striking ornamental value, are of a dwarf, bushy nature, and suitable for foundation plantings or for low fruiting hedges. Large, fragrant white flowers in spring and beautiful silvery green foliage which turns to a rich red and gold color in fall. 18 to 24 in., 50c; per 3, \$1.25; per 10, \$3.50; 2 to 3 ft., 65c; 3 for \$1.50; per 10, \$4.00.



## CHINESE ELM HEDGING

**Ulmus Pumila (Chinese Elm Hedging).** Chinese Elm is destined to become one of our leading hedge and windbreak plants. It forms a beautiful, dense, impenetrable hedge with small, dark green foliage that it holds until late in the autumn. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 18 to 24 in. seedlings, not transplanted, 10, \$1.00; 50, \$4.50; 100, \$8.00. 2 to 3 ft. seedlings, not transplanted, 10, \$1.50; 50, \$6.00; 100, \$10.00. 5 to 6 ft., transplanted, each \$1.00; 10, \$9.00.

## COTONEASTER

**Peking Cotoneaster (Acutifolia).** 5 to 10 ft. Small leathery leaves of rich glossy green on willowy brown branches closely set with small pink flowers in May; jet black berries in fall. It is a beautiful shrub and makes one of our finest hedges, due to its upright growth and adaptability to dry situations. Can be trimmed like Privet. Recommended in the North where hedge plants must be extremely hardy. 2 to 3 ft., 50c; 10, \$4.00; 100, \$35.00; 3 to 4 ft., 60c; 10, \$5.00; 100, \$40.00.

**Spreading Cotoneaster (Divaricata).** 5 to 6 ft. Especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The leaves turn a brilliant crimson before they fall. An excellent hedge plant. 2 to 3 ft., each, 60c; per 10, \$5.00; per 100, \$35.00; 2 to 3 ft., B. & B., each, 90c; per 10, \$8.00; 3 to 4 ft., each, 75c; per 10, \$6.00; per 100, \$40.00; 3 to 4 ft., B. & B. each, \$1.00; per 10, \$9.00.

## PRIVET (Ligustrum Amurense)

12 ft. One of the best hardy hedge plants. 18 to 24 in., 20c; 10, \$1.50; 100, \$12.00; 2 to 3 ft., 25c; 10, \$1.75; 100, \$15.00.



HANSEN BUSH CHERRY



RUGOSA ROSE Hansa

## DWARF NINEBARK

**Physocarpus Monogynus.** 5 ft. One of our finest low-growing hedge plants. Of dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are a dark, glossy green. Ideal for growing in shady places or in full sun. 2 to 3 ft., 50c; 10, \$4.00; 100, \$30.00; 3 to 4 ft., 60c; 10, \$5.00; 100, \$40.00.

## PERSIAN LILACS

**Persian Purple (Syringa Persica).** 8 to 10 ft. The most graceful and freely flowering of the Lilacs and one of the most beautiful hedge and screen plants in existence. The leaves are long and narrow; the branches drooping and willowy; and the purple-lavender flowers, in loose panicles, come in such profusion that they completely cover the plants. 2 to 3 ft., 50c; 10, \$4.00; 100, \$30.00; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 75c; 10, \$6.00; 100, \$40.00.

## HYBRID RUGOSA ROSES

These shrub Roses are perfectly hardy and they produce their flowers in profusion all summer. They are extremely useful for planting in rough situations and in shrubby borders and make a wonderful ever-blooming hedge.

**Belle Poitevine.** 5 to 6 ft. Very large, full double, loosely formed flowers of bright pink, borne in large clusters. 2 yr., 60c; 10, \$5.00; 100, \$35.00. 3 yr., 75c; 10, \$6.00; 100, \$40.00.

**Hansa.** 5 to 6 ft. Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 yr., 60c; 10, \$5.00; 100, \$35.00. 3 yr., 75c; 10, \$6.00; 100, \$40.00.

**F. J. Grootendorst.** 5 to 6 ft. A cross between the Rugosa and the Crimson Baby Rambler. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, 75c; 10, \$6.50; 100, \$50.00.

**Pink Grootendorst.** 5 to 6 ft. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, 75c; 10, \$6.50.

## EVERBLOOMING SPIRAEA

**Spiraea Froebeli.** 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., 40c; 10, \$3.00; 100, \$20.00; 24 to 30 in., 50c; 10, \$4.00; 100, \$25.00.

## DWARF BLUE-LEAF ARCTIC WILLOW

**Salix Purpurea.** A charming low growing Willow, with foliage of a lovely blue green. Excellent for low edging or can be clipped for formal effects. Grows anywhere in wet or heavy soils and can withstand extreme low temperatures. Plant 8 inches apart. 45c; 10, \$3.35; 100, \$25.00.

## VAUGHAN'S NURSERY CATALOG

Listing and illustrating the most popular and meritorious ornamental shrubs, shade trees, small fruits, fruit trees, and vines, will be sent free on request. Ask for special price list on Lilacs. We have a large collection.



# Vaughan's Garden Tools and Requisites

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

## FERTILIZERS (F. O. B. Chicago)

**ADCO ARTIFICIAL STABLE MANURE.** Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 7½ lbs., \$1.10; 25 lb. bag, \$2.50, 150 lbs., \$11.50 Write for booklet.

**BONE MEAL, Vaughan's "Rose Grower".** Slightly steamed so that it can be ground fine, and is thus quicker in its action. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.45; 50 lbs., \$2.00; 100 lbs., \$3.60.

**BONE MEAL, "Regular Grade."** 25 lbs., \$1.20; 50 lbs., \$1.75; 100 lbs., \$2.85.

**CATTLE MANURE (Shredded).** A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., \$2.75; 500 lbs., \$10.75; 1,000 lbs., \$17.50; 2,000 lbs., \$34.00.

**LOMA.** Beautifies lawns and gardens. A scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

**MILORGANITE.** A plant food free of weeds provides plant food over a long period. 25 lbs., \$1.00; 50 lbs., \$1.65; 100 lbs., \$2.75; 2000 lbs., \$42.00.

**SHEEP MANURE (Pulverized).** Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.10; 50 lbs., \$1.60; 100 lbs., \$2.35; 500 lbs., \$10.25; 1000 lbs., \$17.00; ton, \$33.50.

**VAUGHAN'S LAWN AND GARDEN FERTILIZER 5-8-6.** Composed of plant foods in mineral form, making it odorless and quicker acting. Price, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25.

**VAUGHAN'S CONCENTRATED PLANT FOOD.** This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each. Large pkg., 30c each. Mailing weight, small, 10 oz.; large, 17 oz. Each package contains full directions.

**VIGORO.** 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

**KEM LIQUID PLANT FOOD.** A complete balanced ration for plants, a nutrient solution containing all essential elements, Nitrogen, Phos., Potash, including Calcium, Boron, Sulphur, etc. Merely dilute Kem solution with hydrant water. House plant size, 25c; slightly less than qt., 50c; slightly less than gal., \$1.00; full 5-gal. size, \$4.25.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125 and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 pounds the customer pays all freight or express charges.

## INSECTICIDES AND FUNGICIDES

Weights—By mail, ½ pt., 1 lb.; pt., 2 lbs.; qt., 3 lbs.

**DRY LIME SULPHUR.** For dormant spraying use 12 to 15 lbs., to 50 gals., water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.00.

**DOGZOFF.** Breaks dogs of bad habits, spray underneath evergreen or shrubs. Bottle, 60c.

**NEW EVERGREEN.** Non-poisonous. Oz., bottle, 35c; 6 oz. can, \$1.00; pint, \$2.00; gal., \$11.00.

**FLOWERS OF SULPHUR.** For mildew on roses, etc. Lb., 15c; 10 lbs., \$1.00; 25 lbs., \$2.00.

**LEMON OIL.** Destroys mealy bug, scale, thrip, red spider, etc. ½ pint, 30c; pint, 50c; quart, 85c; ½ gal., \$1.75; gal., \$2.50; 5 gals., \$10.00.

**LIME-SULPHUR.** The best remedy for San Jose scale. One gallon makes ten of the best Autumn sprays. Qt. can, 50c; 1 gal., \$1.25; 5 gal. can, \$4.25.

**SCALECIDE.** An oil preparation for San Jose scale. Qt., 75c; gal., \$1.60; 5 gallons, \$6.00.

**TOBACCO STEMS.** For fumigating. 5 lbs., 25c; 100 lbs., \$2.50.

**TOBACCO DUST.** One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. Lb., 15c; 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$4.00.

**VOLCK.** Controls scale insects, mealy bug, white flies, red spiders, rust, mites, aphids and thrips. ½ pint, 35c; quart, 80c; gallon, \$2.50; 5 gallons, \$7.50.

**KNIVES. Propagating.** "The Vaughan," best of all. Each, \$1.75; by mail, \$1.80.

**Budding and Propagating.** Two blades, white handle. Each, \$1.75; by mail, \$1.80.

**KNIVES. Pruning.** Henckel No. 3 C.

Each, \$2.50; by mail, \$2.60.

Imported Pruning. \$2.50; by mail, \$2.60.

**LABELS, Wooden, for Pots.**

	Per 100	1000
4 in., painted.....	\$0.45	\$2.10
5 in., painted.....	.50	2.75
Tree (copper wired) 3½ in.....	.55	3.25

## WIRE FRUIT PICKER.

A mechanical apple and fruit picker, so simple children can pick fruit with no danger. Without pole, price, 75c each; postpaid, 85c.



## HOT-BED SASH

**HOTBED SASH.** Unglazed, for 3 rows, 10-inch glass. Each, \$2.50; 3 for \$7.25; doz., \$24.60. Glazed, each, \$5.35; 3 for \$14.95; doz., \$54.60.

## HOT-BED MATS

**Milo Waterproof Hotbed Mats.** A combination of heavy weight burlap felt and absorbent pulp, cemented together with a specially prepared waterproof compound absolutely impervious to rain, sleet and snow; proof against frost; repellent to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, \$2.10; doz., \$21.00.  
Size, 76x76 inches. Each, 3.85; doz., 39.00.

## CEL-O-GLASS

**CEL-O-GLASS.** Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, \$1.35; 25 ft. roll 3 ft. wide, \$9.75; 100 ft. roll, \$35.00.

**WINDOW FABRIC VIO-RAY.** A strong fabric treated by a patented process to make it transparent, waterproof and weatherproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 28c; 10 yd. roll, \$2.60; 20 yds., \$4.75.

**SPRINKLERS, Scollay's Rubber.** Best sprinklers for plants, ferns, and flowers, holds 10 fluid ounces. Large \$1.45. By mail, \$1.50.



**GLASS CUTTER, TROJAN.** Each, 25c.

**GLAZING POINTS, Vaughan's Perfection.** No rights or lefts. No. 2, small, single thick glass; No. 2½, double thick, for greenhouse and skylights. Price, per lb. (approximately 900), 70c; postage extra.

**Siebert's Improved, ¾ and ⅝, price per lb., 60c.**

**PUTTY BULB (Scollay's).** A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.60. Mailing weight, 1 lb.

**WATERING POTS.—American.** Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$4.75; 6 quart, \$5.25; 8 quart, \$5.95; 10 quart, \$6.25; 12 quart, \$6.50.

**French Style.** Oval, otherwise same make as above; 6 quart, \$6.00; 8 quart, \$6.25; 10 quart, \$6.75; 12 quart, \$7.25.

**THERMOMETERS.** Tin Case, 8-inch. Each, 45c. Cabinet Wood Case, 8-inch. Each, 75c.

**Tin Case,** standard grade tested, 8-inch, Each, \$1.50; Hotbed, Brass Point, Wooden Frame Each, \$2.75; Self-Registering with magnet to set it, 8-inch, registers highest and lowest temperature, Each, \$6.50.

**White Porcelain Enameled.** For in and outdoors and greenhouse with red spirit tube, easy to read. Each, 60c.

**Japanese Bamboo Broom Rake.** A handy tool for raking leaves very light and flexible. Each, 35c.



**BROOM RAKE.** Made of spring wire. Each, \$1.25.

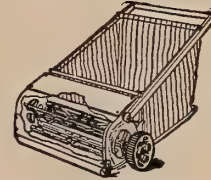
**DOUBLE EDGE PRUNING SAWS.** 16-inch, each, \$1.35; 18-inch, each, \$1.45; 20-inch, each, \$1.60. California curved pole pruning without pole, each, \$2.50.



**Forester pruning saw,** 26 inches long, for cutting long limbs, each, \$2.25.



**SHEARS (Pruning)—Best Grade,** 9 in. each, \$1.75. Nickel-Plated 6-inch, each, \$1.60. Henckel's Imported, 8½-inch, \$5.50; 9½-inch, \$6.00.



## LAWN SWEEPER

**The Gem.** Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24-in. cut. Each, \$36.00.

**PEAT MOSS—Granulated.** A moisture retaining humus, an important aid in saving soil fertility. Better than manure. Garden size bale of about 6 bushels, \$2.00; larger bale of about 22 bushels, \$4.25.

**PEAT.** (Fern roots). Very useful for Orchids and Azaleas, per sack, about 2 bushels..... \$3.25

**LEAF MOLD.** Peck, 40c; 2 Bushel Sack, \$2.00

**POTTING SOIL.** This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 40c; bu., \$1.25; bbl., \$3.00.

## POTS, PANS AND SAUCERS

**RED CLAY POTS.**—We pack these carefully but will not be responsible for breakages.

Doz.	100	1000	Doz.	100
2 in.....	\$0.35	\$1.45	6 in.....	\$1.25
2½ in.....	1.45	12.75	7 in.....	1.65
3 in.....	.50	2.50	8 in.....	2.25
4 in.....	.65	3.00	10 in.....	each, 60c
5 in.....	.85	5.50	12 in.....	each, 85c

## BULB PANS (RED)

Each	Doz.	Each	Doz.
6 in.....	\$0.15	8 in.....	\$0.25
7 in.....	.20	10 in.....	.60
	1.65		5.50



## TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1 6x6	\$0.70	\$2.60	9 14x13	\$1.80	\$6.80
3 8x8	.75	2.80	11 16x15	2.20	8.40
5 10x9	.95	3.60	13 18x17	3.00	11.60
7 12x11	1.40	5.40	14 19x18	3.65	14.00

If handles are required add 35c per tub.  
First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

## PRUNERS



**THE FORESTER-PORTER POINTCUT PRUNER.** Light in weight, 2½ lbs.; 20 inches long. Easy to use in close places. Price, \$5.00.

## FORESTER PRUNERS

No. 1—20 inches long designed for the fruit grower. Each, \$5.00. Weight, 2 lbs. 10 ozs.  
No. 2—27 inches long has a capacity up to 1½ inch in green wood. Price, \$6.00. Weight, 4 lbs. 10 ozs.  
No. 3—34 inches long, capable of cutting up to its rated capacity in any so-called hardwood such as oak, maple and beech. Weight, 7 lbs. 4 ozs. Each, \$7.00.

## WHEELBARROWS

**WHEELBARROW—Deluxe Handa. Special Garden Barrow.** The best low priced garden barrow with pneumatic tire; size of bed, 27x18x14 inches; weight 40 lbs.; price, \$8.95.



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## HELPFUL DETAILS MAKING MAIL ORDERS CONVENIENT

**Order at Once** Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

**How to Order** Use the order sheet accompanying this catalog. One section is for seeds, bulbs and sundries (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for plants, shrubs and trees only.

**Don't** put plants and trees on the same section with bulbs and seeds.

**Important** Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us give plain express, mail or freight directions; where none are given, we route at buyers' risk.

**Quantity, Size, Price** Always give the quantity required of bulbs, plants or trees, mentioning size where different sizes are offered, and carry out the price of each item.

**Mistakes** These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

**Parcel Post** Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form), odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. See table opposite showing postage you should add to insure free delivery. All poisonous Insecticides, are unavailable.

**Express Service** For most orders exceeding 20 pounds in weight and for plants requiring special packing, we urge they be expressed. Mark order plainly if wanted by Express or Parcel Post.

**Our Terms** with customers not having an account are strictly cash with order. We make no C. O. D. shipments unless one-third of amount is paid in cash with order. No trees, plants or other perishable stock, are sent C. O. D.

**How to Send Money** Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If personal checks are used have them certified and add 15 cents for exchange cost. Put no currency in letter unless you register it. Make money order payable to "Vaughan's Seed Store."

**PARCEL POST** Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table.

DOMESTIC PARCEL POST RATES		
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
Local Chicago or New York City.....	7c.	1c. (2lbs.)
First and Second Zone within 150 miles of either.....	8c.	1.1c.
Third Zone within 150 to 300 miles.....	9c.	2.9c.
Fourth Zone within 300 to 600 miles.....	10c.	3.5c.
Fifth Zone within 600 to 1000 miles.....	11c.	5.3c.
Sixth Zone within 1000 to 1400 miles.....	12c.	7c.
Seventh Zone within 1400 to 1800 miles.....	14c.	9c.
Eighth Zone all over 1800 miles.....	15c.	11c.
Canada.....	14c.	14c.

**NOTE.** A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

**Our Responsibility** It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

SEND TO THE CITY NEAREST YOUR ADDRESS

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by Vaughan's Seed Store

VAUGHAN'S SEED STORE

10-12 W. Randolph Street, CHICAGO  
47-49 Barclay Street, NEW YORK



# 30 BULBS FOR BEGINNERS

## 5 each of 6 different kinds

**T**HERE ARE two outstanding reasons why every gardener, veteran or beginner, should plant fall bulbs.

The advanced gardener knows that bulbs supply the dominant flowers for the first two months of the garden season, the time when garden beauty is most precious, and most rare.

The beginner finds that bulbs give him the surest and easiest success, of any flowers. Provided he plants quality bulbs, and follows a few simple rules, he can hardly fail to produce blossoms of the first rank.

Not even cultivation is required for this harvest. No insects will prey upon the flowers of spring bulbs, and they have no diseases to require expert treatment.

Spring-flowering bulbs prolong the garden season by a month at least. Not only that, but among them are flowers which even did they come in June, when gardens are crowded with glory, no gardener would be without.

The purchase of spring-flowering bulbs should not be considered an expense, to be charged to one garden season. It is an investment. A stock of bulbs has been known to produce flowers in the same garden for a century.

Even the labor of lifting bulbs after flowering may be dispensed with. All do excellently when left undisturbed year after year. This practice, indeed, is recommended for the daffodils. And tulips will suffer small loss if allowed to remain in a bed where they have done well, year after year.

**NUMBER OF BULBS REQUIRED FOR PLANTING CIRCULAR BEDS**

Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 Feet.....	127	95	37	
4 ".....	217	127	61	37
5 ".....	331	225	91	69
6 ".....	469	271	127	78
7 ".....	631	410	169	96
8 ".....	817	469	217	127
9 ".....	1027	650	271	156
10 ".....	1261	721	331	190
11 ".....	1519	940	397	240
12 ".....	1801	1027	469	271

We will send the following, all of first quality: 5 Snowdrops, 5 Grape Hyacinths, 5 Crocuses, 5 Scillas Siberica, 5 May-flowering Tulips, 5 Daffodils—30 bulbs in all for \$1., postpaid.

**84** Bulbs, 12 Each of 7 Different Kinds. Prepaid \$2.50

12 Snowdrops, 12 Grape Hyacinths, 12 Crocuses, 12 Scillas Siberica, 12 May-flowering Tulips, 12 Mixed Daffodils, 12 Liliun Tenuifolium—84 bulbs.

**212** Bulbs, Including 9 Different Kinds. Prepaid \$5.00

We will send bulbs of the finest quality of our selection, all named varieties, or single colors, no mixtures, bagged separately with names on bags, the following assortment: 24 Snowdrops, 24 Grape Hyacinths, 24 Crocuses, 24 Scillas Siberica, 24 May flowering Tulips, 20 Mixed Daffodils, 24 Scilla Campanulata Mixed, 24 Chionodoxa Lucillae, 24 Liliun Tenuifolium—212 bulbs in all for \$5.00, prepaid.

**400** Bulbs, Including 9 Different Kinds. Prepaid 300 \$12 Miles.

We will send bulbs of the finest quality and of the better named varieties, bagged separately, with names on bags, the following assortment: 25 Snowdrops, 25 Grape Hyacinths, 50 Crocuses, 50 Scillas, 75 Darwin Tulips, 75 Mixed Daffodils, 25 Bedding Hyacinths, 50 Scilla Campanulata Mixed, 25 Liliun Tenuifolium—400 bulbs in all for \$12.00, PREPAID 300 MILES.

### HOW TO PLANT BULBS








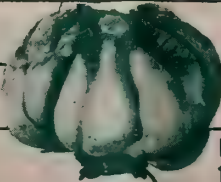

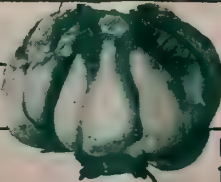
Plant all fall bulbs as soon as they can be obtained, and you are willing to disturb established beds. Daffodils and hyacinths benefit from early planting. Tulips should go in when the leaves of trees fall, so they have a season of growth before the ground freezes.

In case of necessary delay, all fall bulbs can be planted as late as the ground can be worked. A light mulch placed over the proposed planting spot will keep the frost out, if delay is unavoidable. A mulch over late planted bulbs placed after the ground is frozen, will prevent thawing and heaving.

A complete plant food applied to the soil at the rate of 5 pounds to 100 square feet, raked into the top soil after planting, will benefit the bulbs. A similar application after blooming, where bulbs are left in the ground, will help mature large bulbs for the next year's flowering.

Use no manure with bulbs, unless it has been thoroughly rotted and can be spaded into the ground several months previous to planting.

If planting with a dibber, take care that the bulb rests on the soil and is not "hung"—that is, left with a hole beneath it caused by the point of the dibber.

1 IN.	VAUGHAN'S BULB PLANTING CHART			
2 IN.				
3 IN.		 CROCUS 3 IN. APART		 SNOWDROPS 3 IN. APART
4 IN.	 SCILLAS 3 IN. APART			 GRAPE HYACINTHS 3 IN. APART
5 IN.		 LILIUM CANDIDUM 12 IN. APART		
6 IN.	 HYACINTHS 8 IN. APART		 NARCISSUS 6 to 8 IN. APART	
7 IN.		 EARLY TULIPS 5 to 6 IN. APART		 LATE TULIPS 5 to 8 IN. APART
8 IN.				
9 IN.		 HARDY LILIES 12 to 15 IN. APART		

THIS CHART INDICATES THE DEPTH AND DISTANCE APART VARIOUS FALL BULBS SHOULD BE PLANTED





# 6

# EVERBLOOMING HYBRID TEA ROSES

*For Fall  
Planting*

Any 6 of the Hybrid Tea Everblooming Roses listed below, prepaid 300 miles for \$3.75. (Value \$4.50).

## \$3.75

12 for \$6.50 Any twelve of varieties listed below, prepaid 300 miles for \$6.50. (Value \$9.00).

SIGNORA

**MRS. CHARLES BELL** (Shell-Pink Radiance). An exquisite shade of salmon shell pink with delicious fragrance and all the excellent qualities of Radiance.

**MRS. ERSKINE PEMBROKE THOM.** Slender yellow buds opening to well shaped canary yellow blooms. Considered the finest garden yellow.

**MRS. HENRY BOWLES.** Large, well-formed, fragrant rose of brilliant pink with salmon shadings.

Prices of the above 15 Hybrid Tea Roses, except where noted, 2-year, No. 1 dormant—each, 75c.

**PRESIDENT HERBERT HOOVER.** The most popular Rose in America in 1938. Deep copper red buds open to a lovely blend of orange yellow, flame, vivid rose-pink, and scarlet. Fragrant. 85c.

**RADIANCE.** Brilliant rosy carmine, shaded with pink, constant bloomer.

**RED RADIANCE.** Clear cerise-red, otherwise same as in the parent Radiance. A fine garden variety.

**TALISMAN.** A remarkable blending of gold, apricot, yellow, deep pink, and old rose.

## 4 Hardy June 225 Roses Prepaid

Hardy as oaks, and producing the finest flowers of the whole rose family, these roses not only flower freely in June, but often produce another crop of blossoms in the fall. The blossoms are larger, more fully double, of better color and plants live for years even in the coldest states. We offer the four best hybrid perpetual, or June roses, for planting this fall.

**FRAU KARL DRUSCHKI.** (White American Beauty.) Pure white, long, immense buds and perfectly double flowers. Blooms all summer. Each, 75c.

**GEN. JACQUEMINOT.** Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities. Each, 75c.

**MRS. JOHN LAING.** Fragrant flowers of clear pink on strong stems. Splendid for cutting. Blooms almost as freely as a Hybrid Tea. 75c.

**ULRICH BRUNNER.** A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open. Each, 75c.

### Hardy Climbing Roses

**CLIMBING AMERICAN BEAUTY.** Large double rosy crimson, flowers freely produced in June.

**DOROTHY PERKINS.** Beautiful shell-pink double flowers in clusters, attaining great length in one season.

**EXCELSA (RED DOROTHY PERKINS).** Flowers very double, produced in large trusses, thirty to forty on a stem; light crimson. Vigorous.

**PAUL'S SCARLET CLIMBER.** No other rose can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy. Usually blooms again in the fall.

**PRIMROSE.** Its large, double flowers are a soft, rich primrose yellow, borne in clusters of 4 and 5. A most satisfactory hardy yellow climber.

**PRICES of above Hardy Climbing Roses:** 2-year, No. 1, dormant, each, 75c; per doz., \$7.50.

**SPECIAL OFFER.** One each of Dorothy Perkins, Paul's Scarlet Climber and Primrose. 3 plants for \$1.95. (Value \$2.25.)

### VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill.

**ALL** classes of roses benefit by fall planting when properly done, as it enables the plant to start growing earlier in the spring.

**Planting Method:** Select three or four sturdy stems and cut clean away all others, prune the selected stems back to four or five eyes. Set the plant deeply, so that the crown where the stems unite is covered and the stems rise out of the soil. When frosts begin hill soil six or seven inches high around each plant, and cover the ground about them with several inches of dry leaves, or strawy manure. In the spring, dead wood should be cut away and each stem cut back to three eyes.

**A Select List of Free Blooming Hardy Varieties**

**DUCHESS OF WELLINGTON.** Enormous, tapering buds of golden orange, opening to very large saffron-colored semi-double blooms. Fragrant, free blooming and a strong grower.

**E. G. HILL.** Full double, deliciously fragrant flowers of dazzling scarlet on long stems. Very popular.

**ETOILE DE HOLLANDE.** A brilliant dark red rose of magnificent size, vigorous grower; heavy bloomer; fragrant.

**GRUSS AN TEPLITZ.** Rich scarlet shading to crimson, very fragrant. One of the best outdoor bedding varieties.

**HINRICH GAEDE.** Nasturtium-red buds and big double blooms of rich luminous vermilion shaded yellow. 85c.

**JOANNA HILL.** A creamy-yellow with orange heart. Vigorous, long stems. The buds are large and pointed.

**MME. BUTTERFLY.** Light pink and ivory with deep shadings of apricot and gold at its heart. One of our most dependable varieties.

**MME. JULES BOUCHE.** Long, pointed buds opening into superb white flowers, slightly shaded blush pink; fragrant. The best white for quantity of bloom.

Ready about November 1st. If wanted by Parcel Post, remit 5c per plant for postage, except on Prepaid Offers.



**ROSES**—Continued.**Best Patented Hybrid Teas**

We have selected the cream of the now long list of Patented Roses. These have proved satisfactory over a wide area.

**COUNTESS VANDAL.** (Patent No. 38.)

Full blooms sturdily borne; soft colors. Exquisite buds of pink, salmon and gold, excellent for cutting. \$1.00.

**CRIMSON GLORY.** (Patent No. 105.)

We consider this the finest new red. It gives a quantity of fine urn-shaped buds opening to fragrant flowers of crimson with a soft velvety nap. \$1.25.

**ECLIPSE.** (Patent No. 172.) Internation-

ally famous and of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semidouble blooms, lasting well. \$1.25.

**MABELLE STEARNS** (Perpetual Flowering Dooryard Rose) (Patent No. 297).

Very hardy plants growing 2 ft. high and spreading 6 to 8 ft. if permitted. Full double, delightfully fragrant flowers of peach-blossom-pink are produced in panicles from June until frost, excellent for cutting. \$2.00.

**ROME GLORY.** (Patent No. 304)

A red Dame Edith Helen. Produces very large, cerise-red, double blooms on long stems. Flowers long lasting and not affected by dry or wet weather. Very perfumed. Extraordinarily robust and hardy plant. \$1.50.

**SIGNORA.** (Plant Patent No. 201.) There

is no other rose quite like this one, a warm symphony of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant. Will soon be as popular as the famous Hoover which it resembles. \$1.25.

**STERLING.** (Patent No. 21.) Here is a

new rose that is just about perfect. The flowers are perfectly shaped and in color are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms. \$1.25.

**Four Great Roses, \$4.25**

One each of *Crimson Glory*, *Eclipse*, *Signora* and *Sterling* (value \$5.00).

**Patented Climbing Roses**

**BLAZE** (NEW HARDY EVERBLOOMING

SCARLET CLIMBING ROSE). (U. S.

Plant Patent No. 10.) A new hardy

climber combining the color of Paul's

Scarlet Climber and the everblooming

habit of *Gruss an Teplitz*. It will pro-

duce flowers on both the old and the

new growth. \$1.00.

**DOUBLOONS.** (Patent No. 152.) A hybrid

of our native *Rose Setigera* and very

hardy. Clusters of very large cup-

formed, saffron yellow blooms, open-

ing one after the other. Long heavy

canes. Undoubtedly the best yellow

climber to date. Has the tendency to

repeat in midsummer. \$1.50.

**HERCULE.** (Patent No. 296.) Very hardy

*Setigera* Hybrid. Huge flowers, 5 to 6

inches across, of clear, deep rose pink.

Flowers abundantly. \$2.00.

**THE NEW DAWN** (THE EVERBLOOM-

ING DR. VAN FLEET). (U. S. Plant

Patent No. 1. Introduced in 1931.) The

first everblooming climbing rose. A

sport from *Dr. Van Fleet* having same

habit of growth. The delicate flesh pink

flowers are fragrant and bloom all

summer and fall. \$1.50.

**Three Patent Roses, \$3.35**

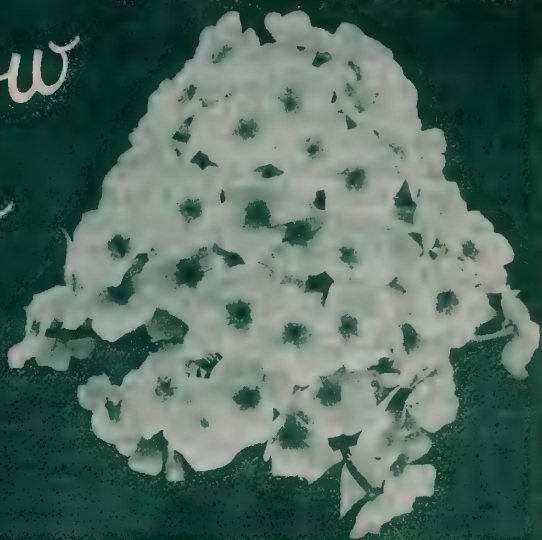
One each *Blaze*, *Doublons*, and *The New Dawn* (value \$4.00).

**SEVEN PHLOX**

OF  
*Rainbow  
Colors*

**\$1.75**

**PREPAID**



Blossoming in midsummer after the *Delphiniums* have gone, perennial *Phlox* dominates the garden for weeks. Modern improved varieties provide a remarkable color range with which the borders can be made gay. Planted in the fall, the *phlox* plants will become well established by flowering time next summer.

The seven varieties in this collection are vigorous growers and endure better than most the hardships which midsummer brings in some sections.

Prepaid, one of each of following varieties (7 plants) for \$1.75; 3 of each (21 plants) \$4.00.

Prices each as given below.

*E. I. Farrington.* Salmon pink with light eye. Each, 50c.

*Europa.* Paper white with red eye. Each, 30c.

*Feuerbrand.* Bright scarlet. Ea., 40c.

*Goliath.* Light reddish purple. Each, 30c.

*Miss Lingard.* Earliest white. Each, 30c.

*Mrs. Milly von Hoboken.* Bright pink, faint mauve suffusion. Each, 35c.

*Painted Lady.* Soft silvery pink with red eye. Each, 30c.

**4 Hemerocallis \$1**  
Prepaid . . .

*Hemerocallis*, or yellow day lilies, have come to be outstanding summer perennials in American borders. Though none are native, they show complete adaptation to both soils and climate of our country. They are perfectly hardy, and will multiply.

Varieties in this collection are all among the most popular and vigorous. One each (4 plants) prepaid, for \$1; 3 each (12 plants) prepaid, for \$2.50.

Prices each as given below.

*Fulva Kwanso* fl. pl. Orange shaded crimson. Each, 25c.

*Gypsy.* Deep orange, shaded fulvous red. Each, 40c.

*Lemona.* Large pale lemon-yellow. Each, 35c.

*Mrs. W. H. Wyman.* Lemon-yellow. Each, 35c.

**6 Fine Perennials \$1.50**  
For Fall Planting

*Aster Skylands Queen.* Pale blue. Each, 35c.

*Aster Snowdrift.* Pure white. Each, 30c.

*Dicentra Spectabilis.* Heart-shaped pink flowers. Each, 40c.

*Gypsophila Bodgeri.* Dwarf double white. Each, 35c.

*Papaver Royal Scarlet.* Scarlet. Each, 30c.

*Stokesia Cyanea.* Rich blue shade. Each, 30c.

One each of above, \$1.50  
Three each of above, \$3.75

For complete descriptions  
of above perennials see  
pages 24 to 25.



# Vaughan's Natural Floral Perfumes, Dram 50¢

Accepted today by women of refinement as the world's outstanding true floral perfumes, these will bear direct comparison for quality with the finest of imported odors.

In their accuracy of reproduction of the fragrance of freshly-opened flowers, they are unequalled by any now available.

We particularly invite a trial by women who are accustomed to using perfumes retailing at from two to five times the prices listed below. These prices are low because these perfumes are packed in plain crystal containers—there is no extra charge for elaborate packaging.

## THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

(Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water). It is used wherever a perfumed lotion is wanted—in the bath, on linens, or as a refreshing lotion in hot weather.)

**Appleblossom:** Soft, yet fresh and clean.

**Bouquet S:** A delicately feminine blend of rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

**Bouquet X:** Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

**Carnation:** Many acknowledge it as the best recreation of this beloved old favorite.

**Forest Breeze:** A smoky, piney fragrance—the scent of a pine forest on an autumn day.

**Frangipani:** A rich, sweet odor similar to Jasmine. Loved for centuries. The red "Jasmine" of Bermuda.

**Freesia:** We are proud to have captured the elusive scent of this delicate flower.

**Gardenia:** Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

**Geranium:** Like a crushed leaf of the green plant.

**Hawaiian Lei:** A lovely blend of exotic tropical flowers.

**Heather:** A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

### PERFUME PRICES

1 Dram.....	50c	1 Ounce.....	35c
2 Drams.....	90c	4 Ounce.....	75c
½ Ounce.....	1.60	½ Pint.....	1.35
1 Ounce.....	3.00	1 Pint.....	2.25

(An ounce contains eight drams)

These prices postpaid to any point in the United States. Prices are based on plain containers. Gift Box included.

### COLOGNE PRICES

**Heliotrope:** The true sweetness of the flower.

**Hyacinth:** The most accurate recreation of this flower we know.

**Jasmine:** A favorite with women of refinement for centuries.

**Lavender:** The well-known English type, not sweet or "musky" like so many near-lavenders.

**Lemon Verbena:** As lemony as the tender tips of the plant itself.

**Lilac:** Lilacs wet with morning dew. Fresh and leafy—our largest selling odor.

**Lily of the Valley:** At last, a satisfactory reproduction of this elusive scent.



**Magnolia:** The veritable fragrance of the Southern Magnolia—rich and lush.

**New Mown Hay:** The scent of Sweet Vernal Grass—like a breath of wind-swept meadows.

**Nicotiana:** Reproduced with astonishing fidelity. The well-known "Sweet-scented Tobacco."

**Parma Violet:** A favorite for generations with women of wealth and refinement.

**Red Rose:** The Damask Rose type.

**Sandalwood:** An old favorite—not too sweet.

**Sweet Pea:** The true fragrance of the original Spencer sweet pea.

**Violet:** The English violet, softer than the Parma type.

**White Rose:** An old favorite—not as heavy as Red Rose.

**Wild Rose:** Like the breeze through a Sweet Briar hedge in June.

**Ylang Ylang:** A highly individual version of the Jasmine type. Overlooked for half a century—today one of the most popular of floral perfumes.

## VAUGHAN'S FLORAL SCENTED SOAPS

From warfare to soap seems a far cry, yet the tremendous demands for fats abroad has robbed the maker of fine imported soaps of his raw material. Because of this, women accustomed to using these fine soaps have been disappointed in the quality of recent imports.

Today we can say that Vaughan's Floral Scented Soaps are not only equal to the best imported brands, but that they surpass them, both in trueness of fragrance and in the quality of stock from which they are made. They are true super-fatted, cold-cream soaps.

They are highly fragrant—when moistened, a single cake will pleasantly perfume the air of an entire room. The odors are of the same high quality as those used in our perfumes. We invite direct comparison with soaps selling at prices from three to ten times as high as these.

### ODORS AVAILABLE ARE:

**Carnation:** A fresh, spicy odor—liked even by men who do not ordinarily care for scented soaps.

**Blue Spruce:** A soft fragrance of the pine type, but without any trace of the turpentine note of many pine soaps.

**Geranium:** The fresh, leafy odor of an old favorite.

**Jasmine:** A fine recreation of the odor of this flower.

**Lemon Verbena:** The fresh, lemony fragrance of the tender green tips of this beloved plant.

**Lavender:** Soap experts tell us that this is the only soap they have smelled which retains a fresh lavender character after milling. Outstanding.

**Lilac:** Specialists tell us that this is the only soap available today which can be compared to the Lilac formerly turned out by a famous foreign firm which was considered the best in the world. True Lilac wet with dew.

**PRICES:** 3 oz. cake 18c (add 3c for postage); 6 oz. cake, 35c (add 6c for postage).

## New Creations

**Dram, \$1.50; Ounce, \$10.00.**

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

**Garden Night:** A rich, luxurious odor that is particularly appropriate for evening wear, especially blended for a glamorous radio star.

**Morning Fresh Bouquet:** A dewy, ferny fragrance, for daytime wear, which expresses springtime, youth, and beauty. It has won wide acceptance among young women of good taste.

**Song of the Heart:** Made from the formula compounded for the wife of one of the world's leading perfumers, this is a dry, woody fragrance with no trace of sweetness, yet definitely not heavy. A perfume of unusual distinction.



# *Eight of the Newer Tulips - - - for 80c*

PREPAID

## Cover Collection E

One each of the splendid new varieties illustrated on this page (8 bulbs), prepaid for 80 cents.

Two each (16 bulbs),  
- - - - - \$1.40

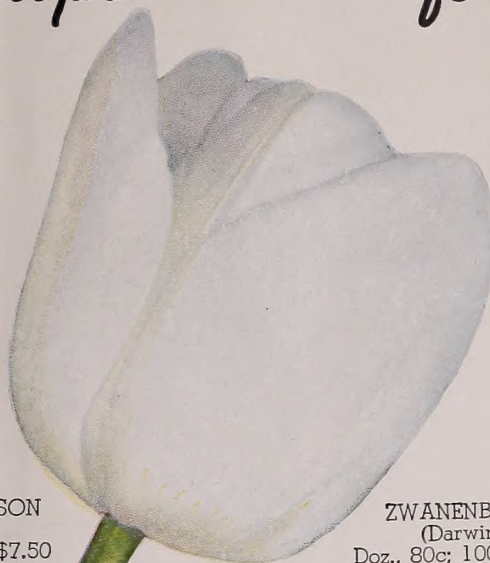
Three each (24 bulbs),  
- - - - - \$1.90

Six each (48 bulbs),  
- - - - - \$3.35

Twelve each (96 bulbs),  
- - - - - \$6.00



GLORIA SWANSON  
(Darwin)  
Doz., \$1.00; 100, \$7.50



ZWANENBURG  
(Darwin)  
Doz., 80c; 100, \$6.00



FAUST  
(Darwin)  
Doz., 80c; 100, \$6.00



ARETHUSA  
(Cottage)  
Doz., 85c; 100, \$6.50



SIR TREVOR LAWRENCE  
(Darwin)  
Doz., 80c; 100, \$6.00



INDIAN CHIEF  
(Breeder)  
Doz., \$1.35; 100, \$9.50



QUEEN OF HEARTS  
(Darwin)  
Doz., 85c; 100, \$6.50



SCARLET BEAUTY  
(Darwin)  
Doz., \$1.10; 100, \$8.00





RUBRUM  
Each, 25c; Doz., \$2.50



SUPERBUM  
Each, 20c; Doz., \$2.00



TENUIFOLIUM  
Each, 15c; Doz., \$1.50



REGALE  
Each, 15c; Doz., \$1.50



TIGRINUM SPLENDENS  
Each, 20c; Doz., \$2.00

## 6 Hardy Garden Lilies 95c

LARGE BULBS . . . Postpaid

One each of the 6 varieties illustrated: Rubrum, Henryi, Tenuifolium, Regale, Trigrinum Splendens, and Superbum, prepaid 600 miles for 95c.

These varieties are hardy, vigorous and lasting. true "flowers of the field" and if planted in a well drained location, in mellow soil, will grow and multiply, contributing to your garden picture for years. Fall planting on the average gives much better results than spring planting.

Shipped at Your Proper Planting Time.

See Hardy Lily Page for Descriptions of these Varieties.



HENRYI  
Each, 20c; Doz., \$2.00

One Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	-	\$0.95
Two Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	-	1.70
Six Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	-	4.60
Twelve Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	-	8.40



## Most Beautiful of the Parrot Tulips

### *Tulip Fantasy*

« 12 for 75c; 100 for \$5.50, Prepaid »

WHILE resembling the Parrot type in the extraordinary size of its blossoms, and its beautifully fringed and fluted petals, Fantasy is really unique, perhaps the fore runner of a new race. It has a straight, stiff stem, which most Parrots lack, and this makes it stand up in the borders instead of hanging its head. Fantasy originated as a sport of the famous Darwin tulip Clara Butt, and perhaps its greatest charm is the clear, true pink color of its forerunner. There are many tulip fanciers who regard Clara Butt as most beautiful of all because of this color. But while Clara Butt is a relatively small Darwin, each petal of a well grown specimen of Fantasy will measure three inches long and two inches across. On the back of each petal is a marking of emerald green. A group of Fantasy in your border will be a center of interest in the tulip season and a never failing attraction to garden visitors.



# Flowers Easily Grown Indoors



## Hyacinths

### Vaughan's Rainbow Collections

First size for Window Garden. (See Page 13)  
**QUEEN OF PINKS**, Pink **GRAND MAITRE**, Lt. Blue  
**LA VICTORIA**, Red, **L'INNOCENCE**, White,  
**KING OF THE BLUES**, Dark Blue, **CITY OF HAARLEM**, Yellow.

PREPAID PRICES	Postpaid
A—6 Bulbs, one of each variety.....	\$0.90
B—12 Bulbs, two of each variety.....	1.70
C—24 Bulbs, four of each variety.....	3.30
D—36 Bulbs, six of each variety.....	4.75



Flowers are increasingly fashionable for winter decoration indoors. Attractive stands, wall brackets, and glazed pots, are available to provide an attractive setting for your flowers in sun-parlor or living room.

This fashion is one in which garden lovers may easily excel. With new methods of forcing bulbs which banish all dirt, it is a simple matter to keep the sun-parlor or living room constantly supplied with blossoms at amazingly low cost. See Indoor Bulb Pages for cultural directions and for subjects illustrated on this page and others.

## Amaryllis

Largest of flowers which are easily forced indoors, our new hybrids are so gorgeous in size and coloring as to amaze those not familiar with them.

**VAUGHAN'S NEW HYBRIDS.** One of the finest strains of amaryllis we have seen. We can supply bulbs in the following selected colors. Bulbs are two-inch and up in diameter.

**MIXED.** Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2½ to 3 inch Dia.....	\$0.45	\$4.50	\$30.00
3-3½ inch Dia.....	.55	5.50	40.00
3½ inch Dia. and up.....	.65	6.50	50.00

We can supply in separate colors. Each, 65c; three for \$1.75; doz., \$6.50, in the following shades:

<b>Dark Red.</b>	<b>Rose Shades.</b>
<b>Light Red.</b>	<b>Red with White Centers</b>
<b>Salmon Shades.</b>	<b>Light Shades.</b>

**JOHNSONII.** Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each 35c; doz., \$3.50; 100, \$25.00.

## Paper White Narcissi To Grow in Gravel and Water

**Fancy selected bulbs** (13 ctm.). Three bulbs for 15c; doz., 50c; 100, \$3.00; 1,000, \$25.00.

**Mammoth bulbs** (14 ctm.). Three bulbs for 20c; dozen, 60c; 100, \$4.00; 1,000, \$35.00.

**Jumbo Bulbs** (15 ctm.). Three bulbs for 25c; dozen, 75c; 100, \$5.00; 1,000, \$45.00.

## The Yellow Paper White (Grand Soleil D'or)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.

**Mammoth bulbs.** Per three, 40c; dozen, \$1.40; 100, \$10.00.

## Lily of the Valley

These beautiful fragrant flowers may be brought to flower in 18 to 20 days, if pips from cold storage are used.

**Cold Storage Pips**, ready November 1, 25 for \$2.00; 100 for \$7.50, postpaid.

**PAPER WHITE NARCISSI**  
Grown in Gravel



AMARYLLIS Hybrids

## Sphagnum Moss

**Sphagnum Moss**, sufficient for 25 pips, 10c, postpaid. Gravel for bulb bowls, 5c per lb.; 5 lbs., 20c; 10 lbs., 35c.

## Pearl Chips

**Pearl Chips.** 10c per lb.; 10 lbs., 75c.

**Pearl Chips.** Colored per lb. 15c; 10 lbs. for 85c. For Parcel Post delivery add postage at zone rates.

## Vaughan's Prepared Fibre

**For Growing Bulbs in Bowls, Without Drainage.** Per lb., 15c; 3 lbs., 35c; 10 lbs., 85c



LILIES of the VALLEY Forced in Sphagnum Moss



# FIGHT HARDY DAFFODILS \$/10

ONE EACH OF THE VARIETIES ILLUSTRATED ON THIS PAGE, PREPAID

## Cover Collection H

Two Each of the Varieties Illustrated on this Page, (16 bulbs)  
Prepaid for \$2.00.

Three each (24 bulbs), \$2.90.

Six each (48 bulbs), \$5.40.

Twelve each (96 bulbs), \$10.00.

## Prices of Separate Varieties

	Each	Doz.
Top left, Silver Star . . .	\$0.20	\$2.00
Middle left, Spring Glory . .	.15	1.20
Lower left, Tresserve . . .	.15	1.30
Top center, Golden Scepter . .	.10	1.00
Lower center, Glory of Lisse . .	.10	.85
Top right, Twink . . .	.25	2.40
Middle right, Diana Kasner . .	.15	1.25
Lower right, Croesus . . .	.15	1.25

Plates from Natural Color Photograph.

